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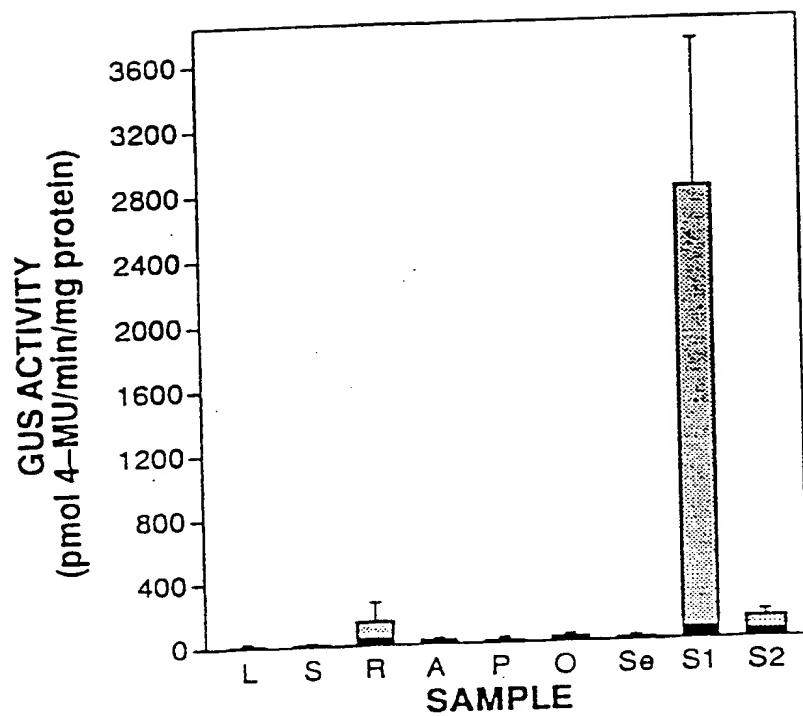


FIGURE 1

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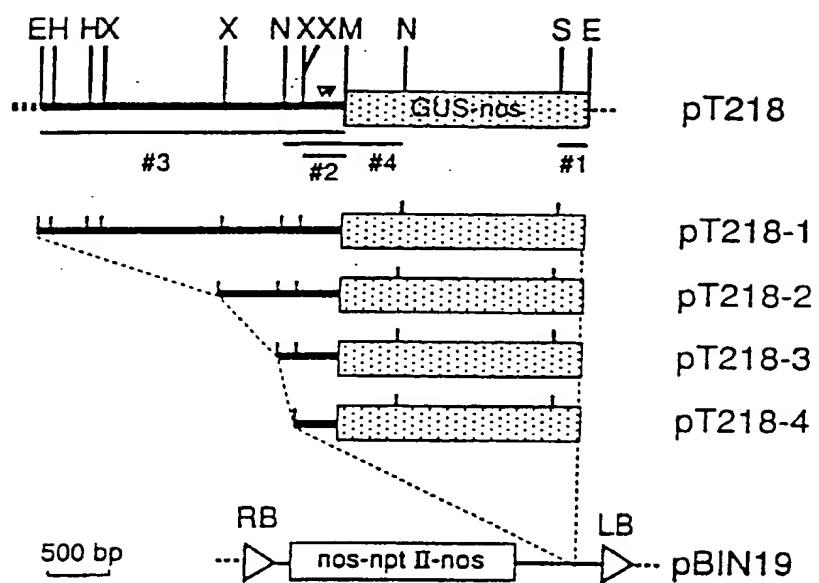


FIGURE 2

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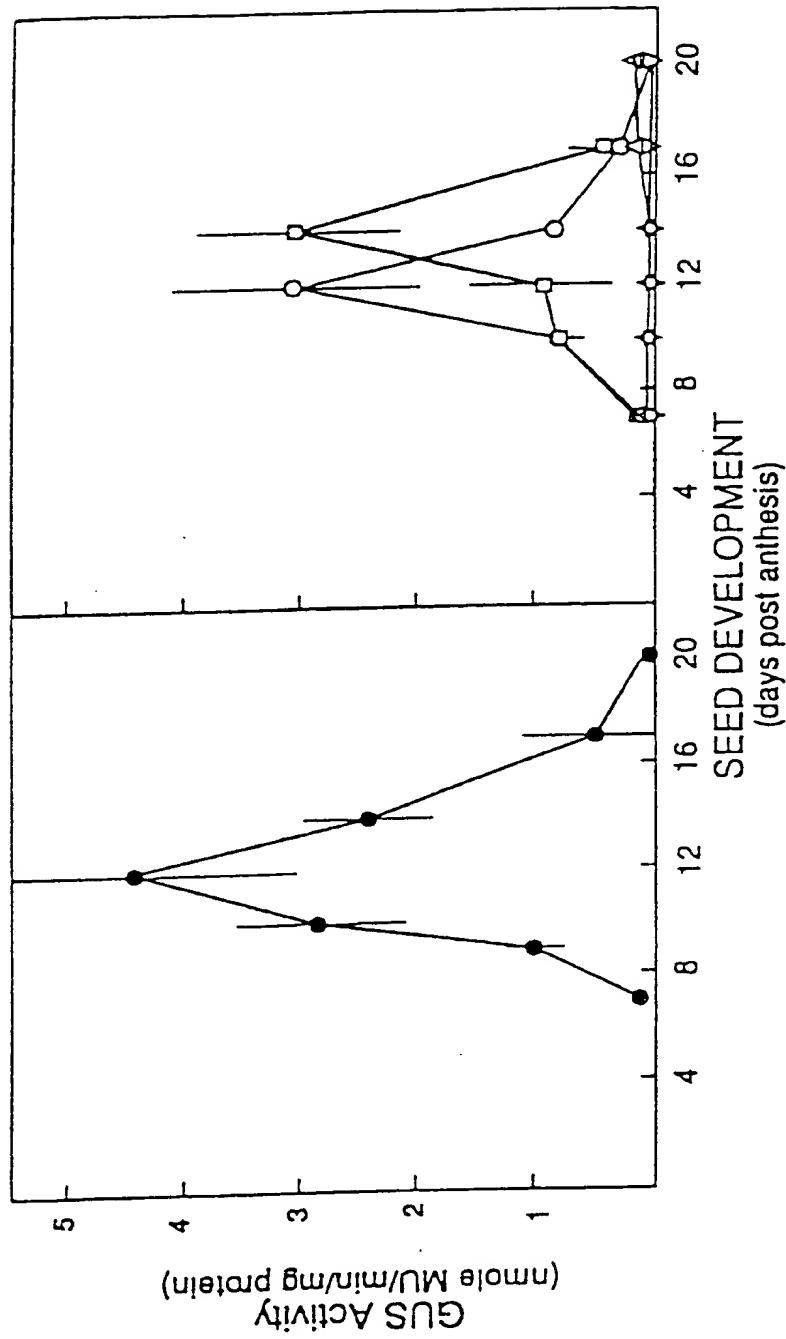
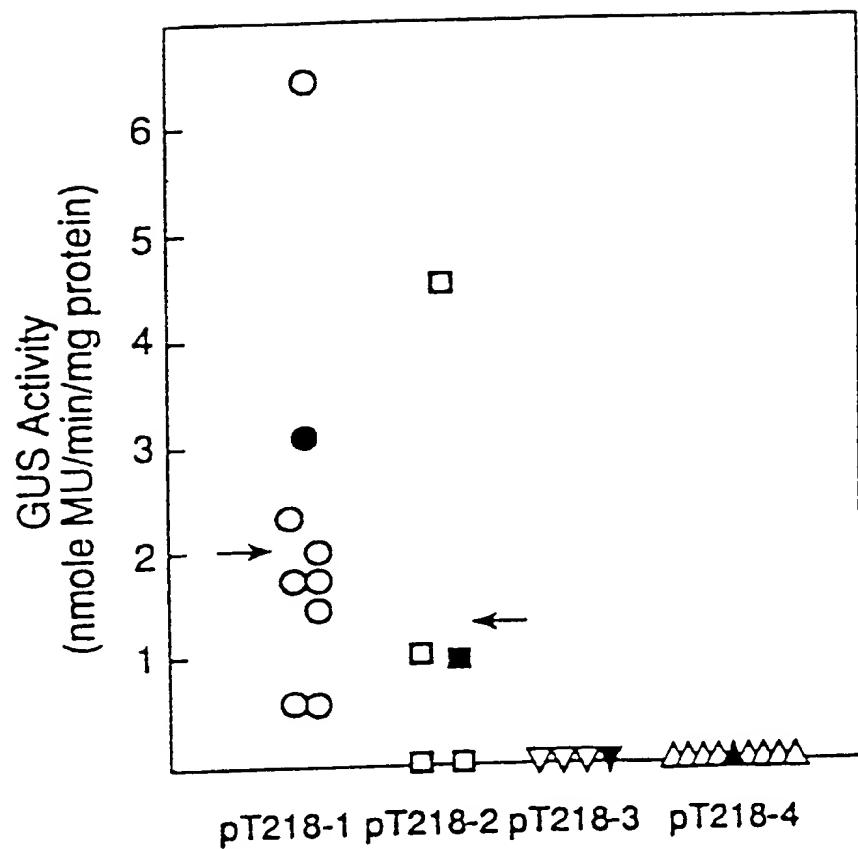


FIG. 3A

FIG. 3B

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**FIGURE 4**

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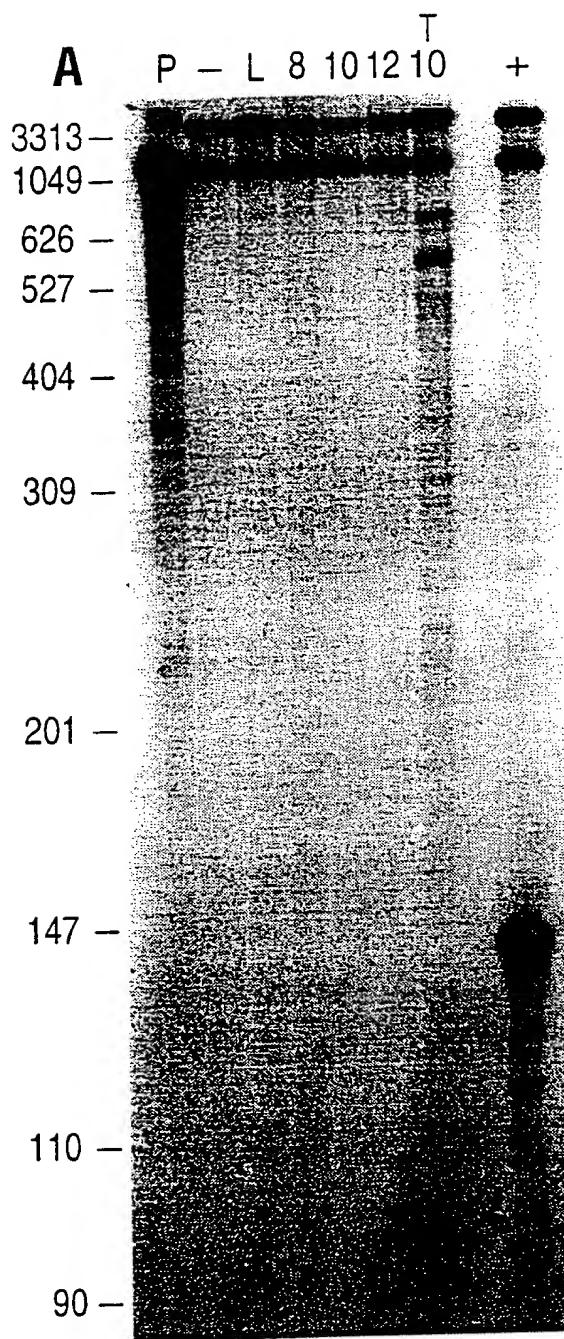


FIG. 5A

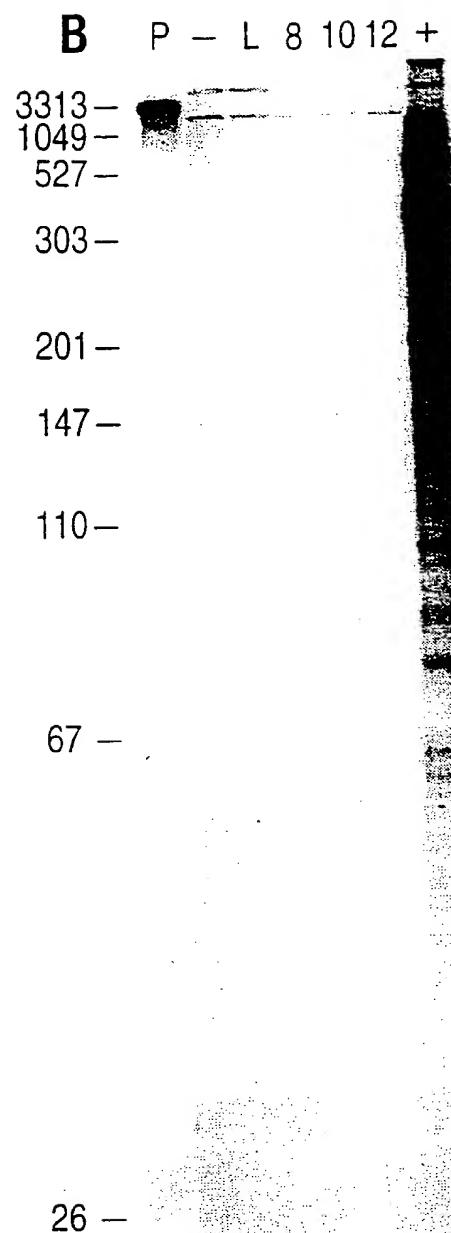


FIG. 5B

1 Xba1 TCTAGACTTGTCTTTCTTACATAATCCTCTTCTTCTTTTTGTTAGTTCTTCTGT
 61 TTTATCCAAAAAACGAATTATTGATTAAGAAATACACCAAGACAAGTTTTACTTCTTT
 121 TCTTTTTTTGTGGTAAAAAATTACACCTGGACAAGTTATCACGAAAATGAAAATT
 181 GCTATTTAAGGGATGTAGTTCCGGACTATTTGGAAGATAAGTGTAAACAAAATAAATAA
 241 TAAAAAGTTATACAGTTAGATCTCTCTATAACAGTCATCCTTATTTATAACAAACTTT
 301 ACTATAACCGTCAAATTATTTGAAACAAAATTTCATGTTATGTTACTATAACAGTAT
 361 TTTATTATAGCAACCAAAAAATATCGAAACAGATACTGATTGTTAGAGCGATTGATTG
 421 TATCATTATCCACATATTTGTAAGGCCAATTACTCCTCCTACGTACGATGAAAGTAAA
 481 CCAATTAAAGTTGCAAAATCCAATAGATTCAATACTTCTTCAACTGGCGTTATGTTA
 541 GGTAAATGACTCCTTTAACCTTTCATCTTAATTGAAAGTTCTTCATTAAAGAAAAG
 601 5-Xba1→ TTTCTAGAAGAGAAGTGTAAACACTCTAGCTCTACTATTATCTGTGTTCTAGAAGA
 661 AAAATAGAAAATGTGTCCACCTCAAAACAACTAAAGGTGGCAAATCTCACCTATT
 721 ← 7 TTTTATTGATTAAATTAGATATAGTAAAGATCAGTTATAAACCGAGTTTGAGTTGA
 781 TACAGTGAATTAAAGATGTGTACCGATTAACTTTATTTACATTATGTTCGCACATA
 841 TATA TAAGAAGTCGATTGGAAATACTAGATTTGTCAATCAGGCAATTATGTGGTTGAAGA
 901 ATTTAAGTTATACATGATGATATAAGAATTCTTATCTACTATTAGTCAAATTATCG
 957 ATTACTAAAAATTATTCTATTAAATTATGCTATC| GIGCCTCCCCAACCCGTCGACC
 1005 GCGGTACCCGGTGGTCAGTCCCTT ATG TTA CGT CCT GTA GAA ACC CCA ACC
 M L R P V E P C T

FIGURE 6

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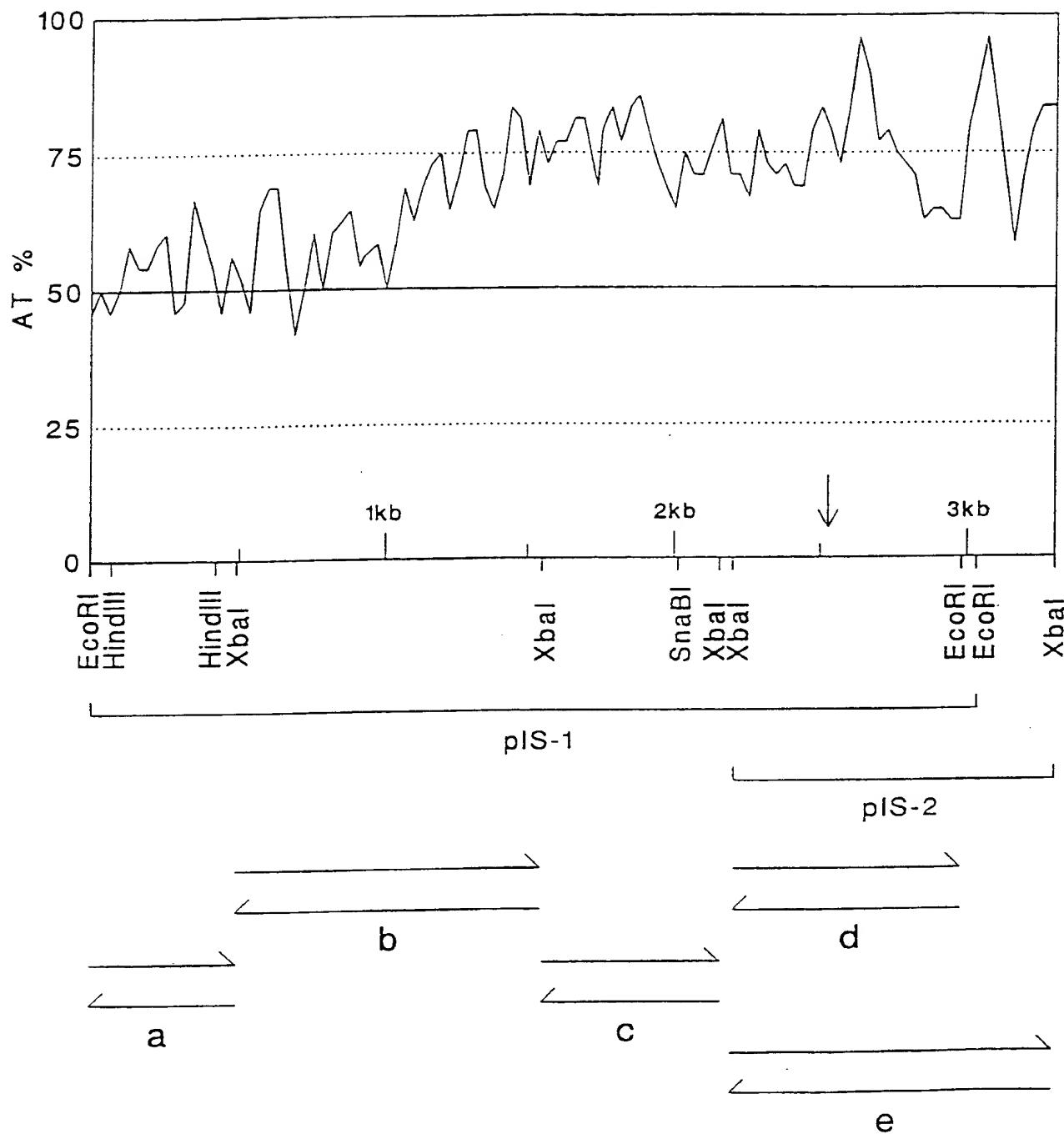


FIGURE 7

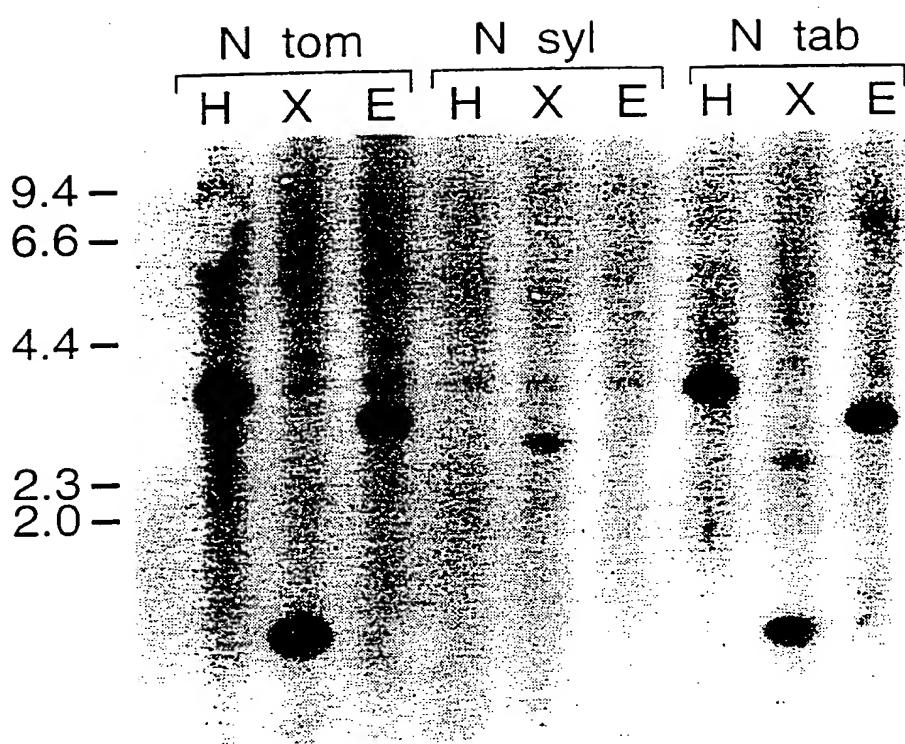


FIG. 8

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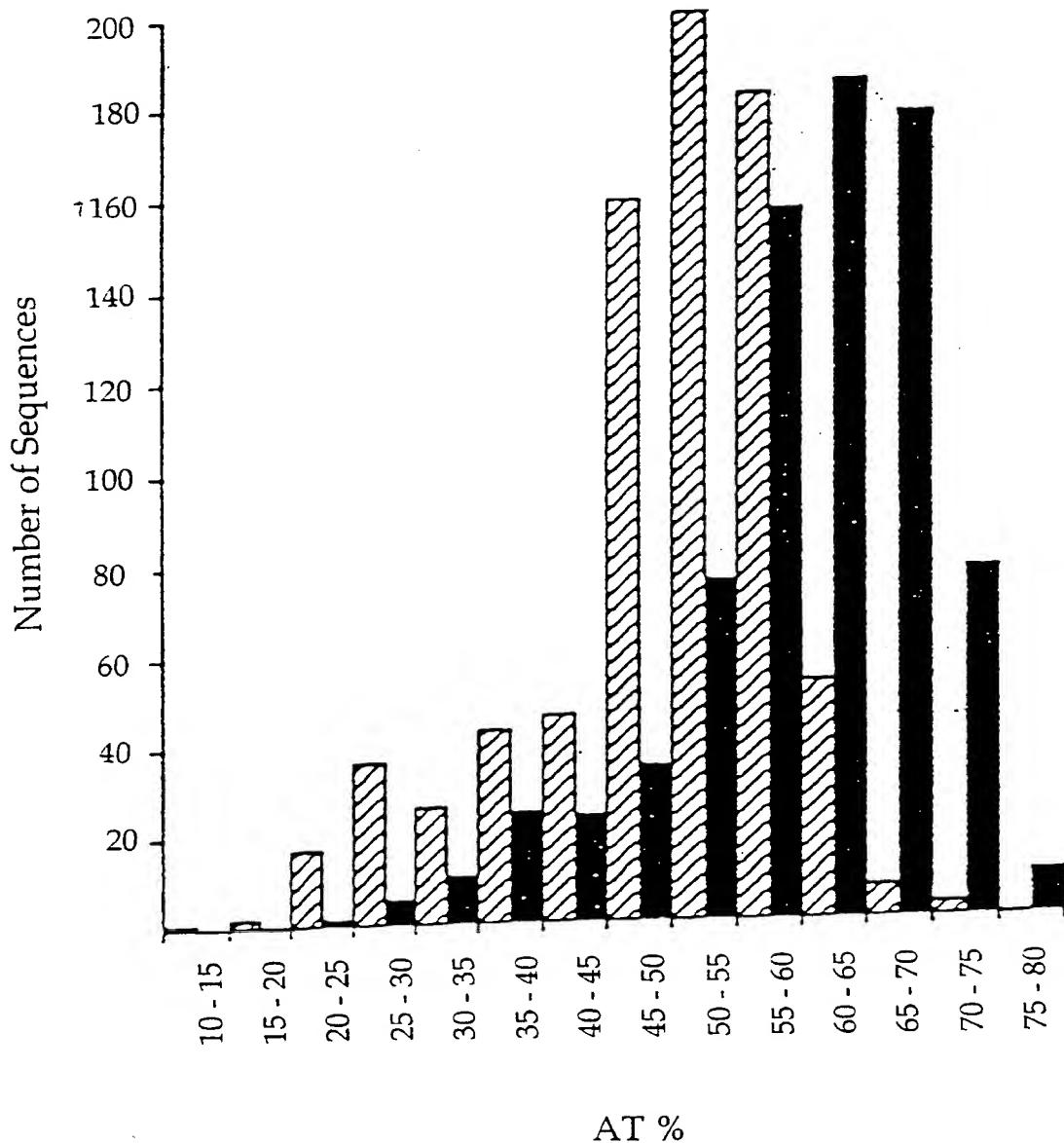


FIGURE 9

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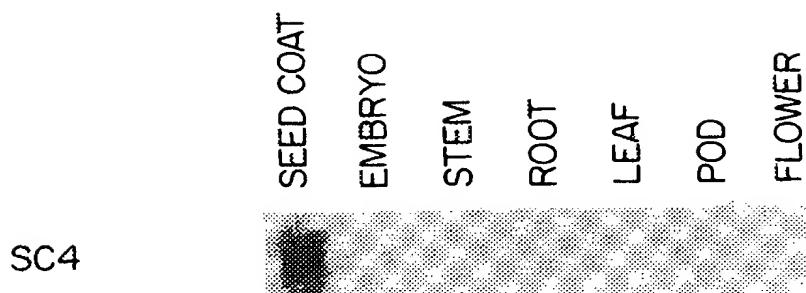


FIG. 10A



FIG. 10B



FIG. 10C

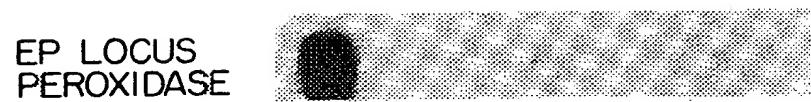


FIG. 10D

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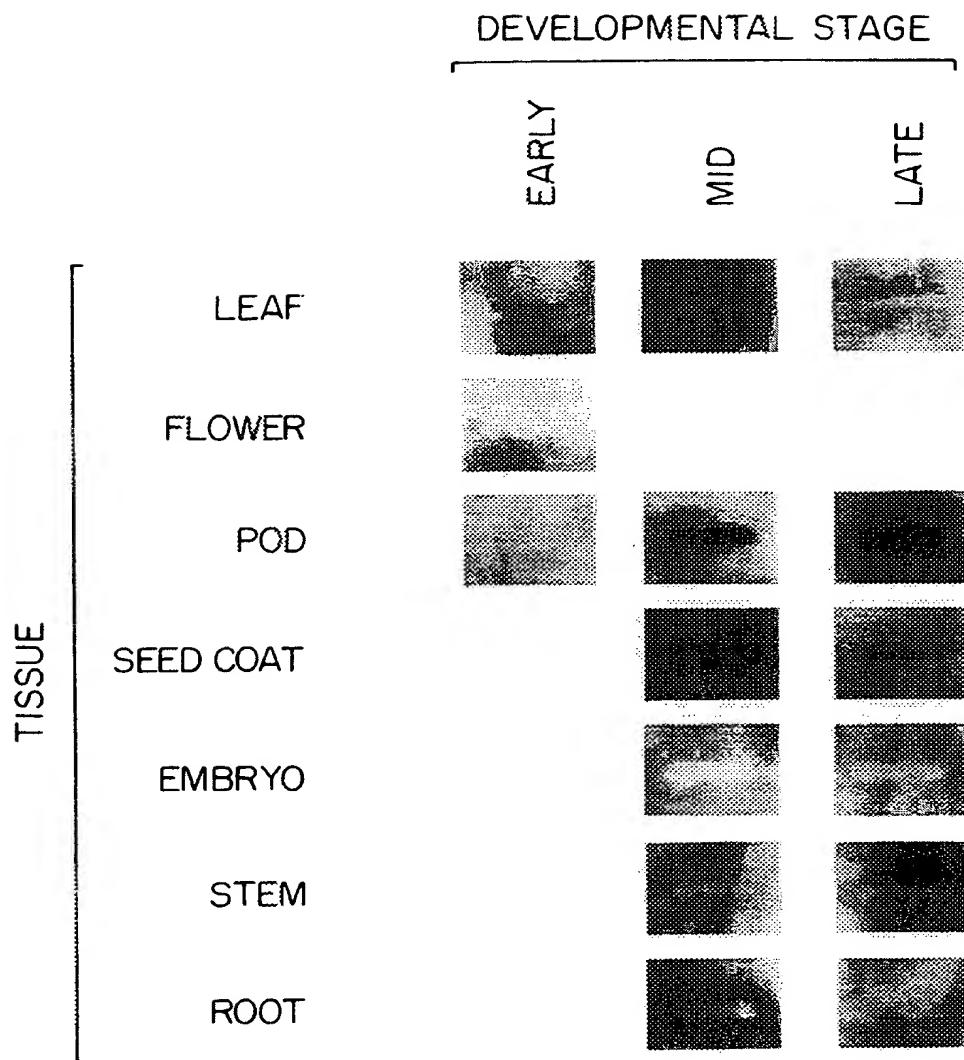


FIG. 10E

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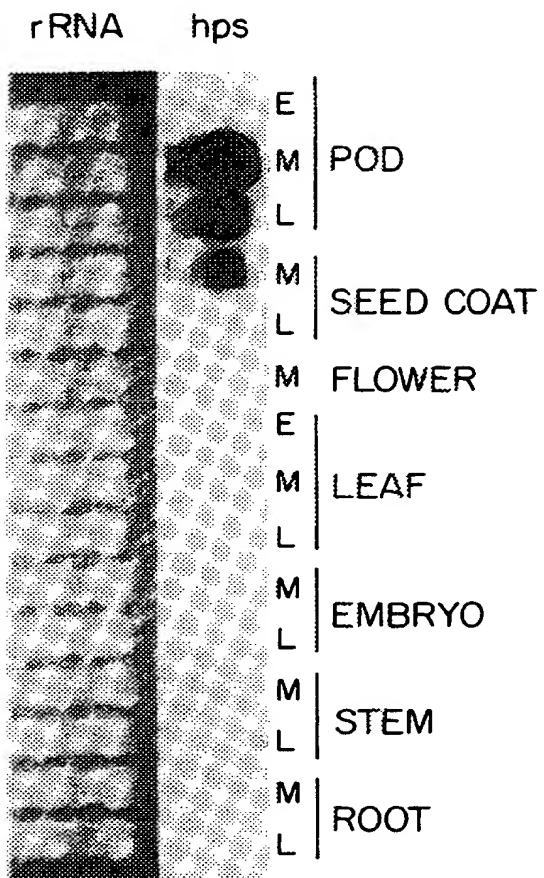


FIG. IOF

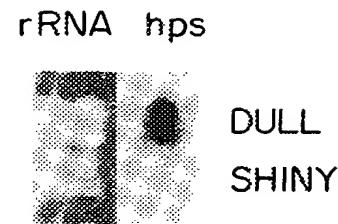


FIG. IOG

RESTRICTION MAP OF SC20

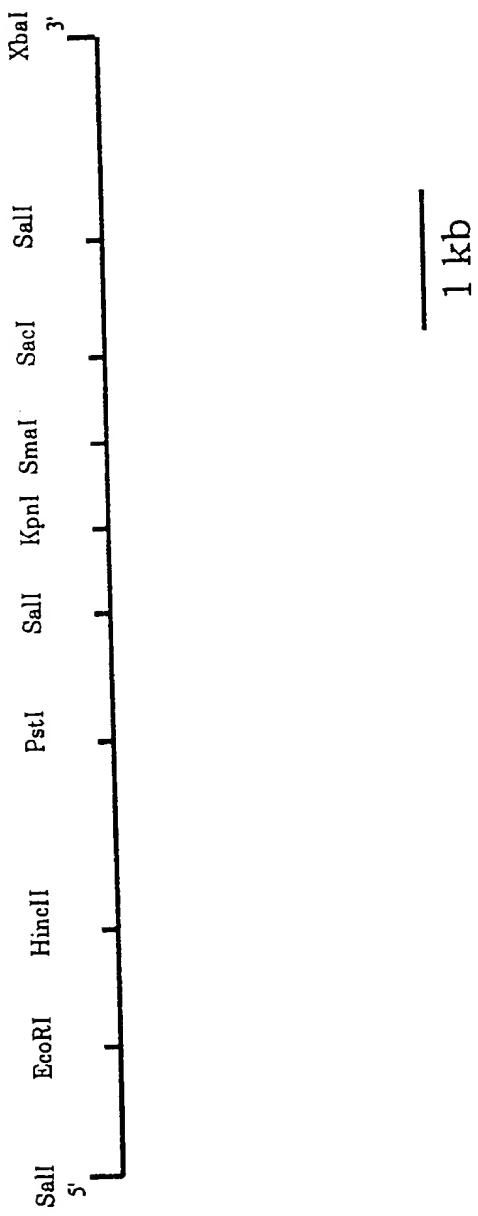


FIGURE II(A)

RESTRICTION MAP OF SC21

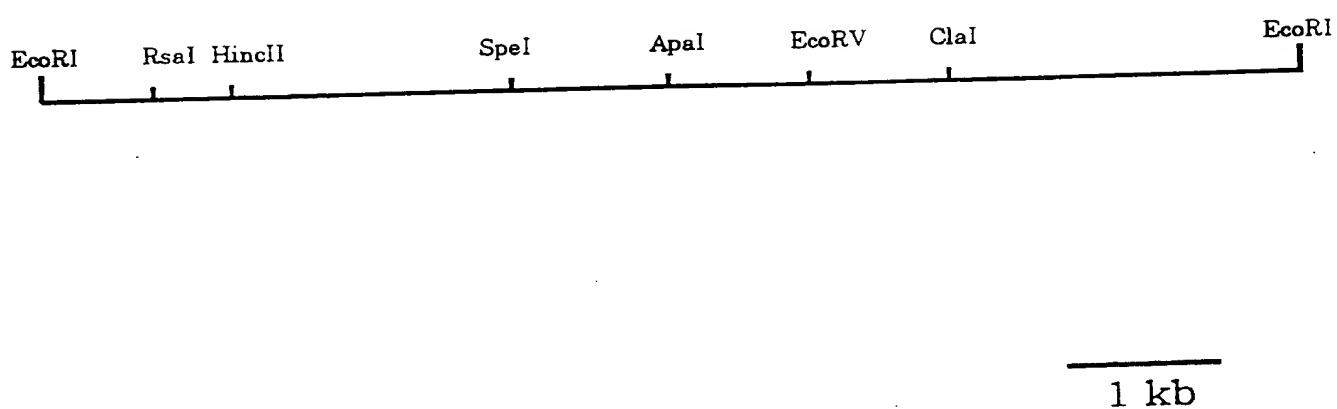


FIGURE 11(B)

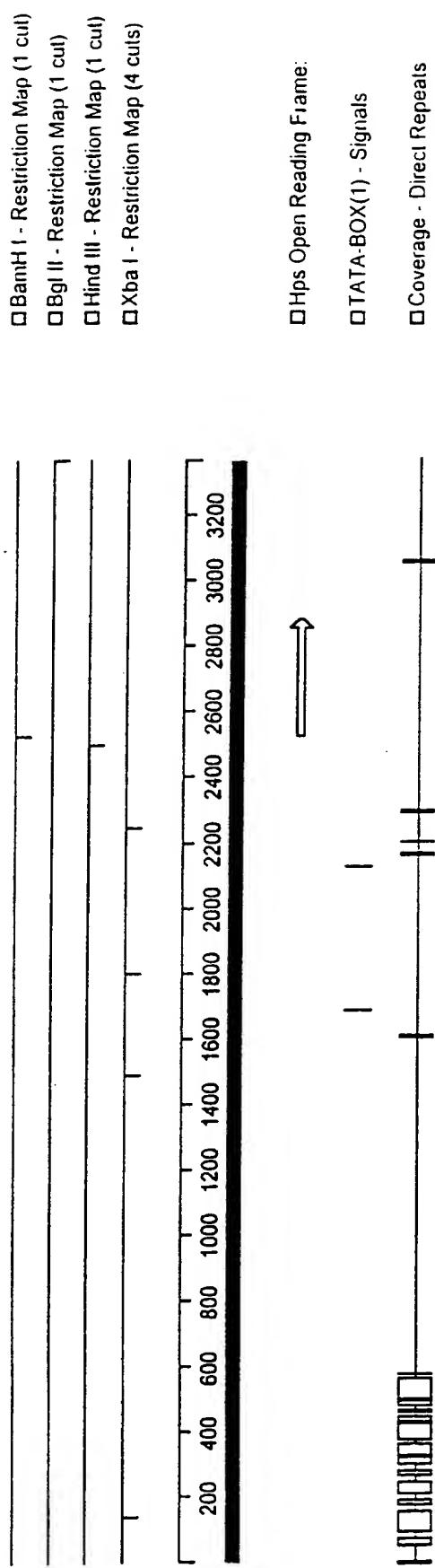
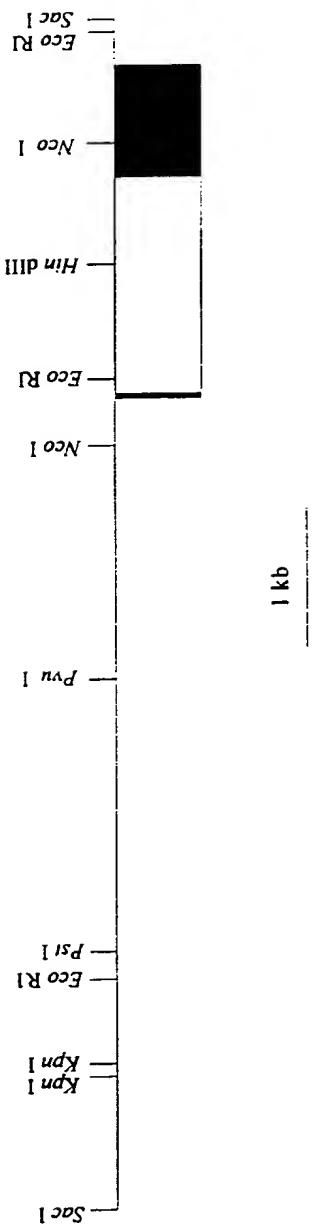


FIGURE II(C)



Restriction map of *sc4*

The shaded and open boxes represent exons and introns respectively.

FIG. 11(D)

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6 DAF

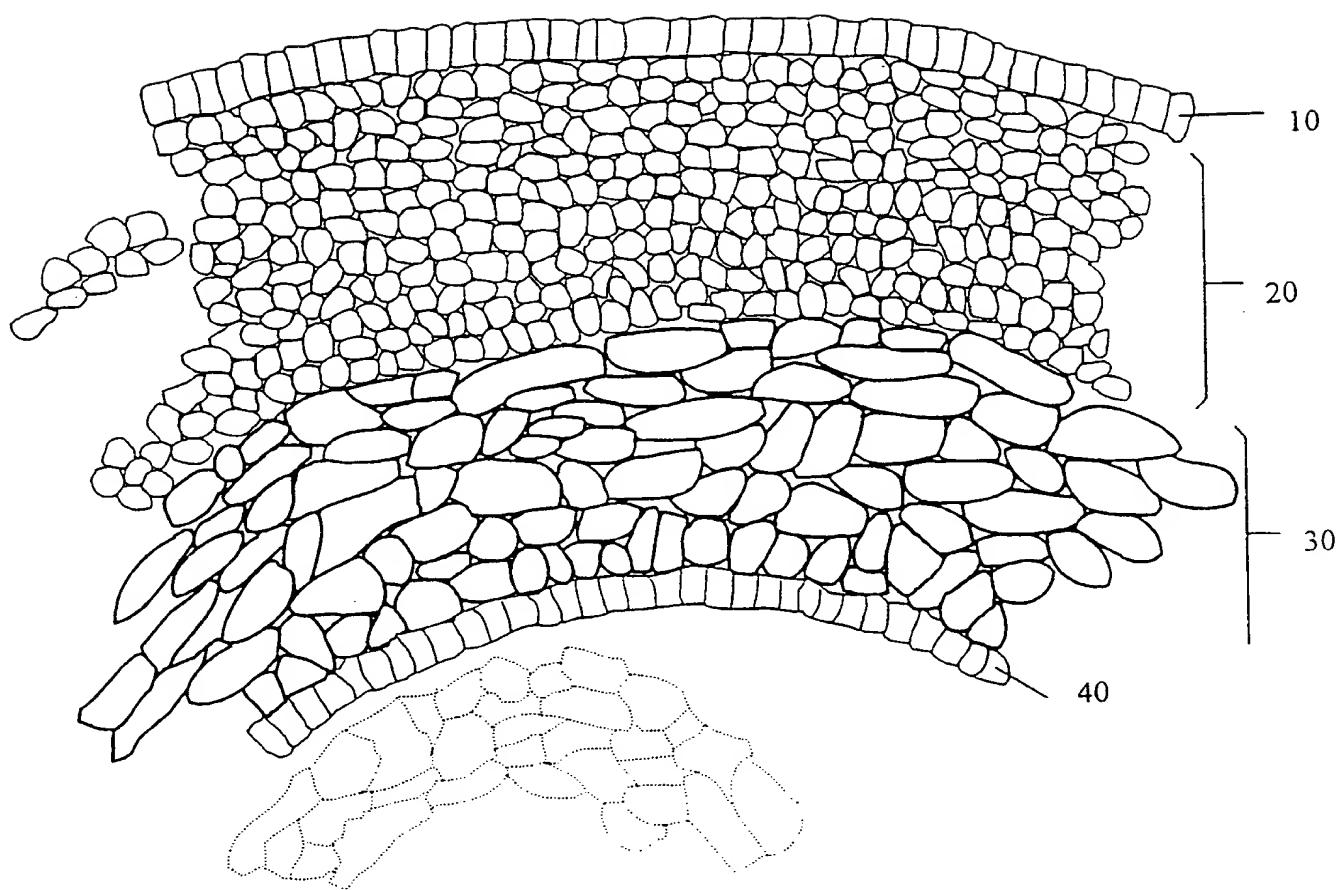


FIGURE 12(a)

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12 DAF

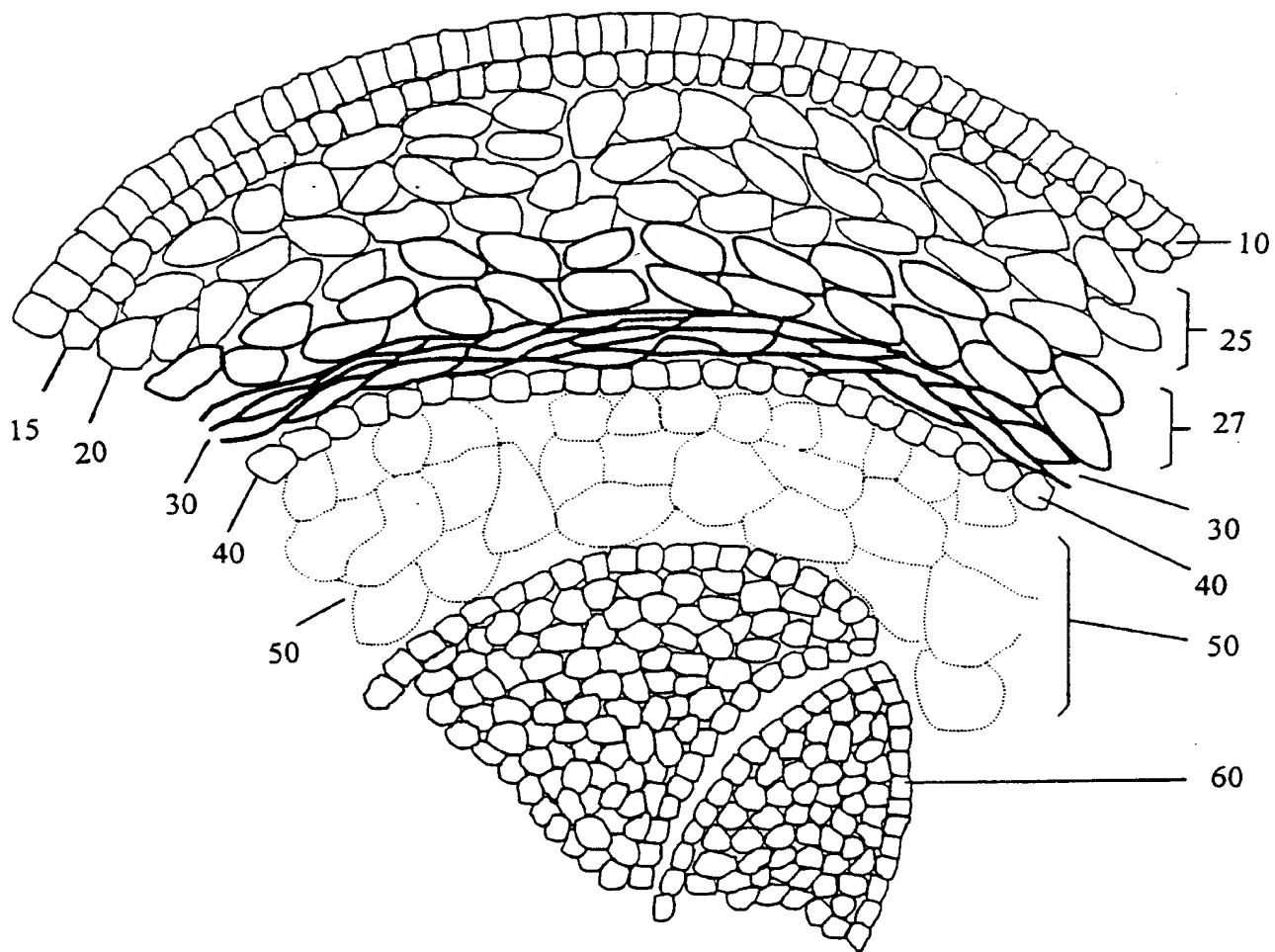


FIGURE 12(b)

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18 DAF

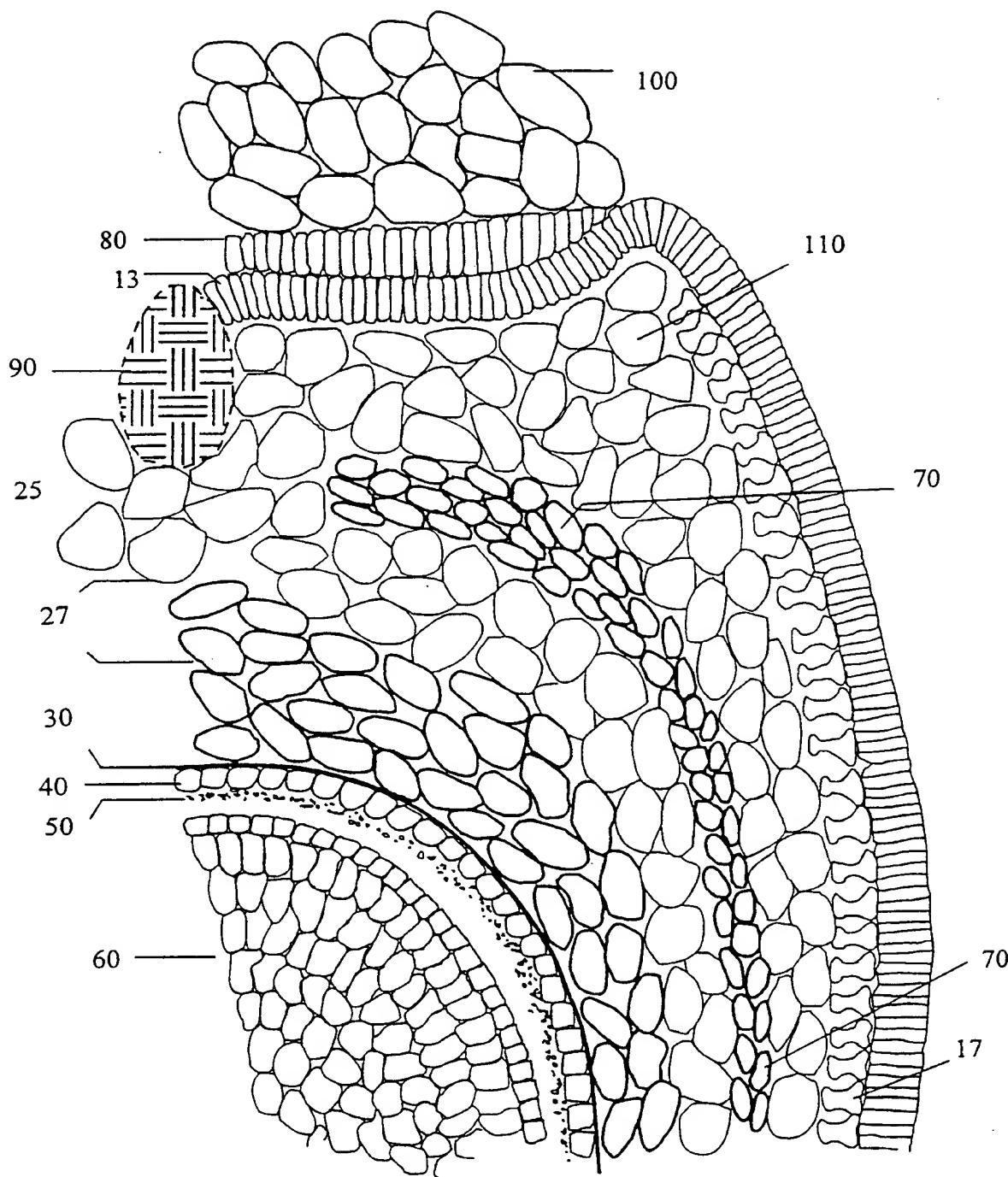


FIGURE 12(c)

FIG. 13A

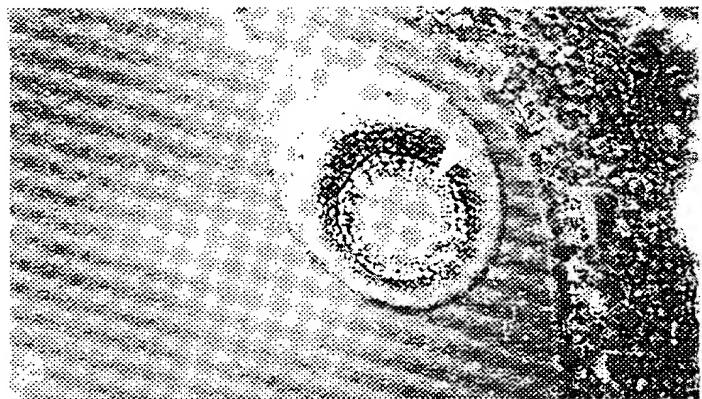


FIG. 13B

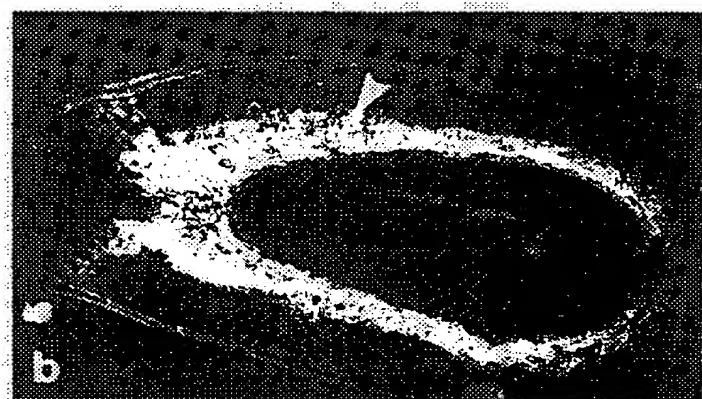
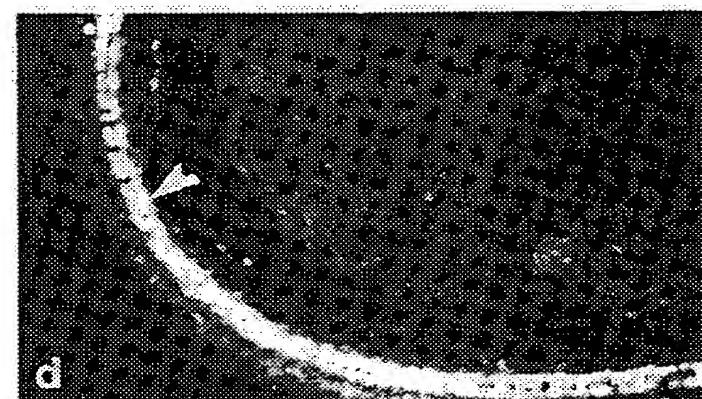


FIG. 13C



FIG. 13D



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FIG. 13E

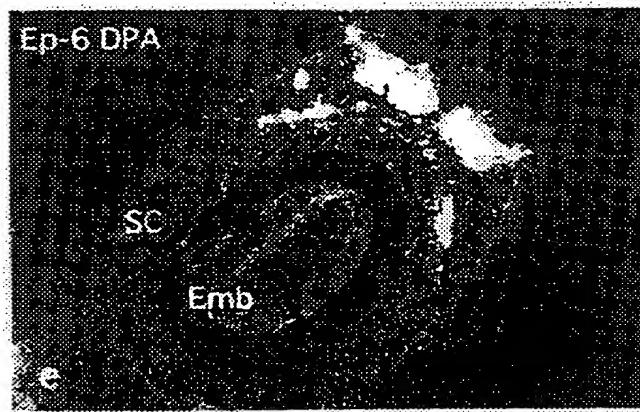
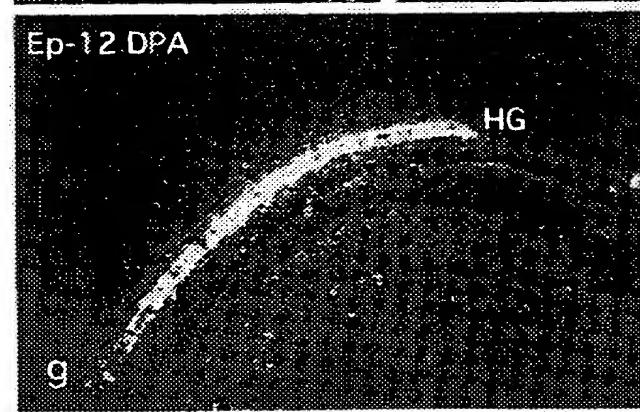


FIG. 13F



FIG. 13G



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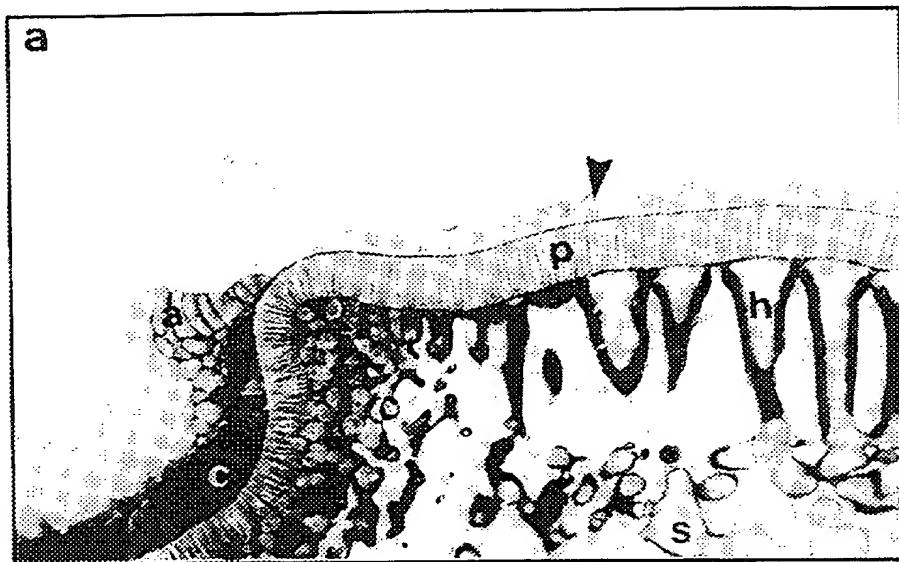


FIG. 14A

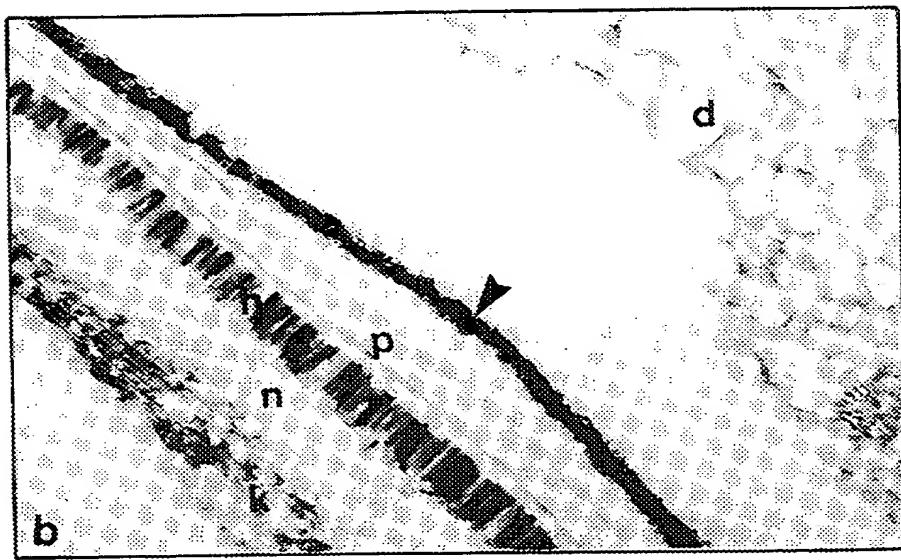


FIG. 14B

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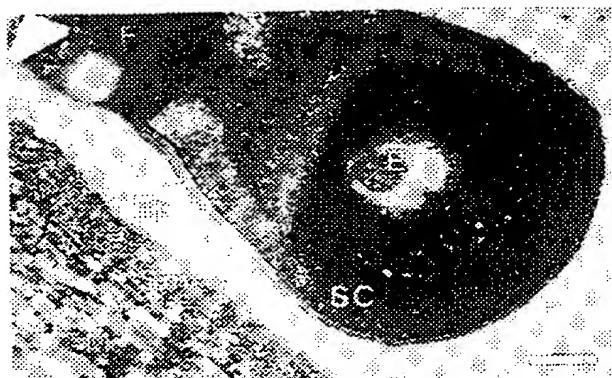


FIG. 14C

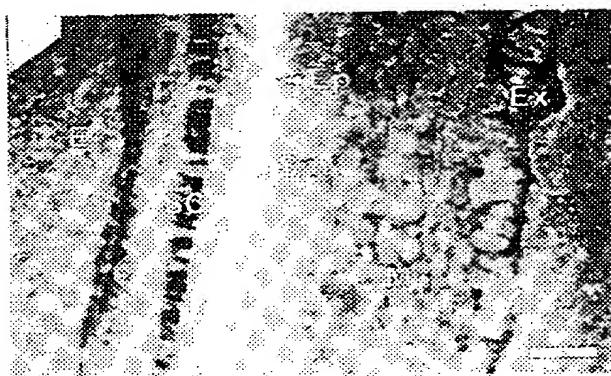


FIG. 14D

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TAAGCTTCAGAGACAACTGCTTGA~~AAA~~ATGGATCCAAGGTTGTCATCCGTTGC
M G S K V V A S V A 10
 CCTTCTCTCTCCATCAACAT~~T~~TTCTTCA~~TTT~~ATGGTTAGCTCCAGCAGGCCACTACGA
L L L S I N I L F I S M V S S S S H Y D 120
 30
 TCCACAGCCCCAACCTCTCACGTCACTGCTCTTATTACACGCCACTAGTTGTCCGGATCT
P Q P O P S H V T A L I T R P S C P D L 190
 50
 GAGTATTGCTCAATATTTAGGCGGGTCTCTAGGAACCCGGATGATTGTTGCCCC
S I C L N I L G G S L G T V D D C C A L 240
 70
 CATCGGTGGTCTTGGTACATTGAAGCCATTGTGTGCCCTTGCATCCAACTCAGGGCCCT
I G G L G D I E A I V C L C I Q L R A L 300
 90
 CGGAATATTAACCTAACCGTAATTGCA~~G~~TTAAATTAAACTCC~~T~~GTGGACGAAGCTA
G I L N L N R N L Q L I L N S C G R S Y 360
 110
 CCCGTCAA~~C~~GC~~A~~CTTGCCCCCGAACCTAACGAACAGAACATG~~T~~TGGACTAAC~~T~~ACCA
P S N A T C P R T * 420
 119
 TATTACTTCGTATCATGGT~~T~~TTGTTGTTGCTGTGTTAAAGTTAAGGATGTTATAC 480
 480
 CCTTCGTGCCTGCTACATATATATAGTGGGACTATAATATTACCAATAATTAAACGTCC 540
 540
 ATATATAAGAATAATAATAATAATAATAATAATAATAATAATAAGGTTACGTAATGT 600
 600
 TGTTGTTCTCGTGGATGGGGATCTTATCTTCCCTCGCTATCTTGT~~T~~ATCGTATTTC 660
 660
 AGTGA~~A~~AGTTGTTCAATAAAAGTC~~T~~TTGTTCAACAGT (A) 700

FIGURE 15(A)

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[REDACTED]

MGSKVVASVALLSINILFISMVSS	25
SSHYDPQPQPSHVTA <u>L</u> TRPSCPDL	50
SICLNIILGGSLGTVDCCALIGGLG	75
DIEAIVCLCIQLRALGILNLNRNLQ	100
LILNSCGRSYPSNATCPRT	119

FIG. 15(B)

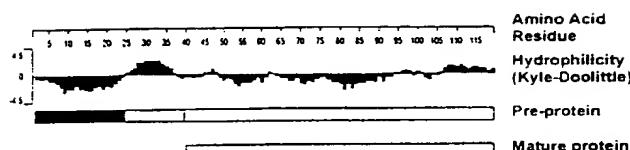


FIG. 15(C)

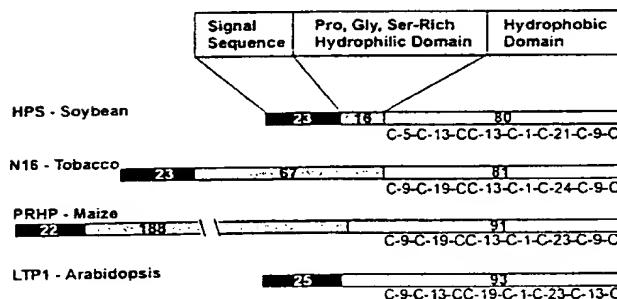


FIG. 15(D)

FIG. 15

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CULTIVAR: CLARK
PHENOTYPE: DULL

WILLIAMS 82
SHINY

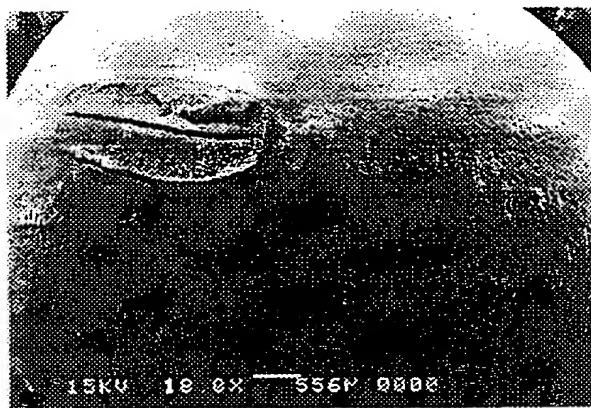


FIG. 16A

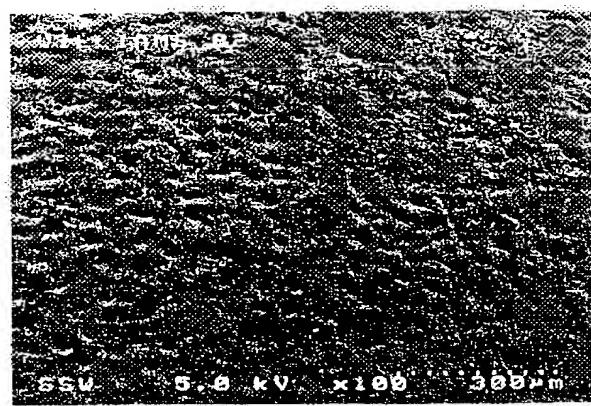
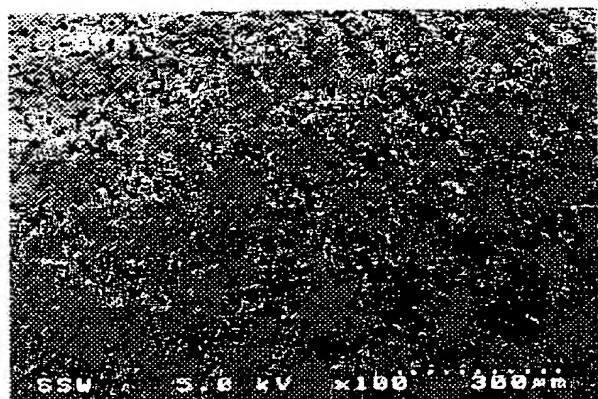


FIG. 16B

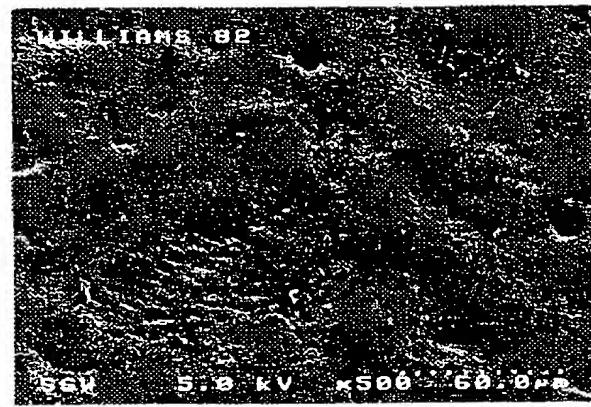


FIG. 16C

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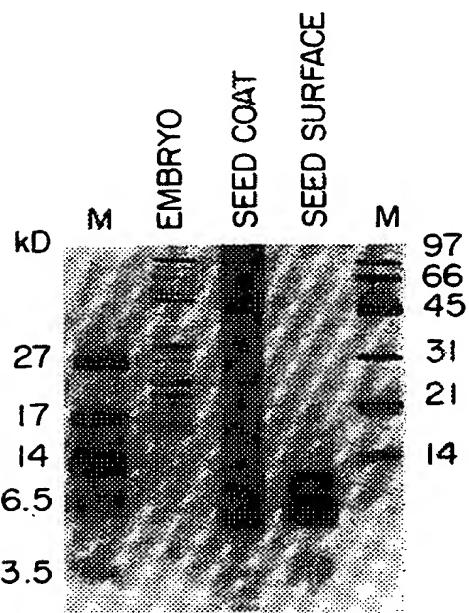


FIG. 17A

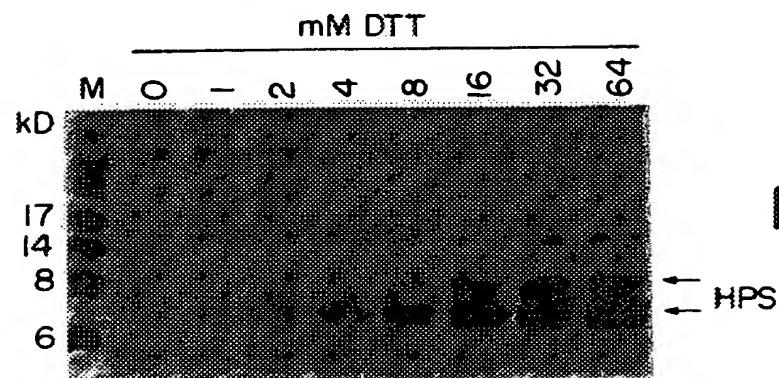


FIG. 17B

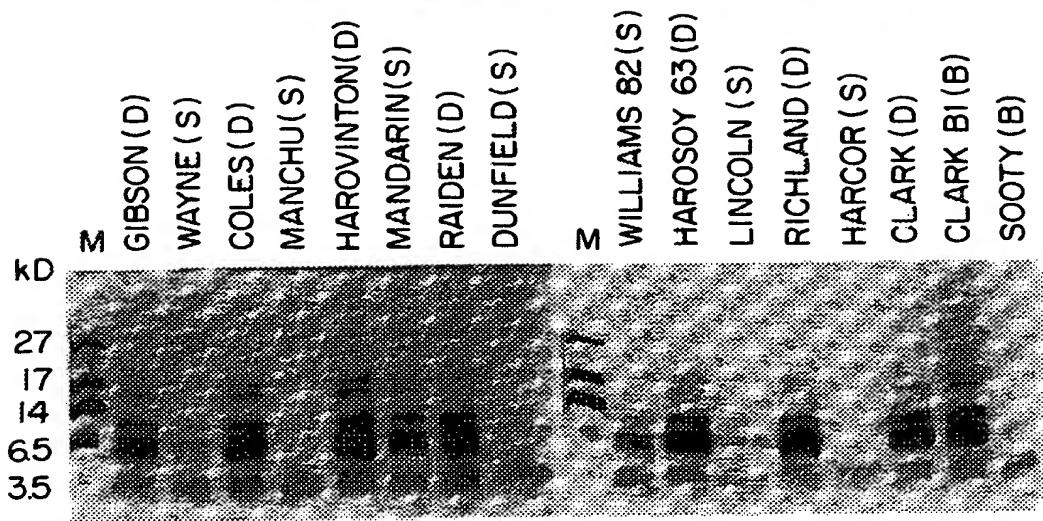


FIG. 17C

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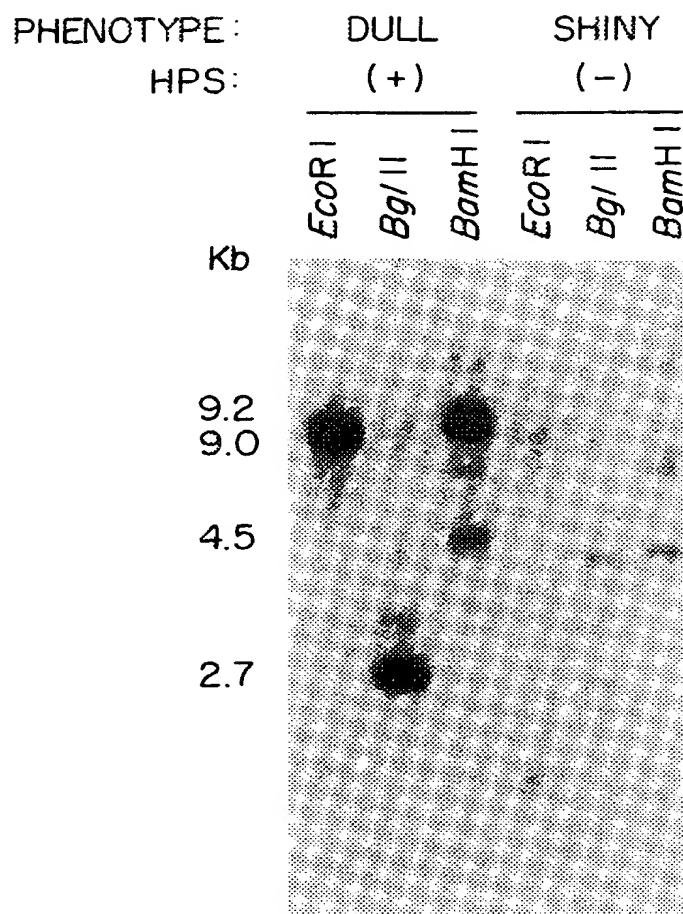


FIG. 18

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--C AAT GCT GCG TTA ACT CCT AGA CAT TAC TGG GAA ACG ATG CTT CCA AGA ACT CCC 55
 N A A L T P R H Y W E T M L P R T P 18

TTG CCG AAA GCA ATC ACA GAG CTA CTA AGC CTT GAA AGT AGG TCC ATA TTT GAA TAT 112
 L P K A I T E L L S L E S R S I F E Y 37

GCC GGG AAT GAT GAC CAG TCA GAA AGT AGG TCC ATA TTA GGA TAC GCT GGC TAT AAT 169
A G N D D Q S E S R S I L G Y A G Y N 56

CAA GAC GAG GAT GAT GTG AGC AAA CAC AAT ATA CAA ATC TTC AAC AGG TTG TTT TTC 226
 Q D E D D V S K H N I Q I F N R L F F 75

TTG GAA GAG GAC CTG CGT GCT GGC AAA ATA TTC AAC ATG AAG TTC GTC AAC AAC ACA 283
 L E E D L R A G K I F N M K F V N N T 94

AAA GCC ACA GTC CCG TTG CTA CCG CGC CAA ATT TCG AAA CAA ATA CCG TTC TCA GAA 340
 K A T V P L L P R Q I S K Q I P F S E 113

GAT AAA AAG AAG CAA GTG TTG GCG ATG CTT GGC GTG GAA GCG AAC TCA AGC AAC GCC 397
 D K K K Q V L A M L G V E A N S S N A 132

AAG ATC ATA GCG GAG ACC ATT GGT CTT TGC CAA GAG CCT GCA ACG GAG GGA GAA AGG 454
 K I I A E T I G L C Q E P A T E G E R 151

AAA CAC TGC GCG ACT TCG TTG GAG TCC ATG GTT GAT TTC GTC GTT TCC GCG CTC GGG 511
 K H C A T S L E S M V D F V V S A L G 170

AAG AAC GTT GGT GCT TTC TCA ACA GAG AAA GAA AGG GAA ACT GAG TCT GGA AAG TTT 568
 K N V G A F S T E K E R E T E S G K F 189

GTA GTG GTG AAA AAT GGG GTG AGG AAG TTG GGA GAT GAT AAG GTT ATT GCC TGT CAT 625
 V V V K N G V R K L G D D K V I A C H 208

CCA ATG AGT TAC CCT TAT GTT GTG TTT GGG TGT CAT CTA GTG CCA AGG AGT AGC GGG 682
 P M S Y P Y V V F G C H L V P R S S G 227

TAT TTG GTG CGC TTG AAG GGA GAA GAT GGG GTT CGA GTG AAA GCA GTT GTT GCG TGC 739
 Y L V R L K G E D G V R V K A V V A C 246

CAC AGA GAC ACG TCA AAG TGG GAC CAT AAT CAT GGG GCA TTC AAA GTG CTC AAT CTT 796
 H R D T S K W D H N H G A F K V L N L 265

AAG CCT GGG AAT GGT ACA GTA TGC CAT GTC TTC ACT GAG GGG AAT CTT CTT TGG CTT 853
 K P G N G T V C H V F T E G N L L W L 284

CCA AAT TAG attaattaccatatacatatttgtccttgttatccttaataagtggatcacctgaagaa 925
 P N * 286

ttgtgcgtaatgagttgtttgtcttggaaattgttatctgtcttgcacccaaataggtatataaaaata 1000

acaggagcgtggatattgttgcacaaaaatggatttcaacccatcaaaaaatatagcctttaccaattagaagg 1075

gtttggctttagcaaataataaaaataatctttaggg(a)n 1119

FIG. 19(A)

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A

SC4c	FFLEEDLRAG KIFNMKFVN --TKATVPLL PRQISKQIPF SEDKKQVLA MLGVEANSSN 131
RD22	FFLEKDLVRG KEMNVRFNAE DGYGGKTAFL PRGEAETVPF GSEKFSETLK RFSVEAGSEE 235
PG1B	FFREKMLKSG TIMPMPDIK- -DKMPKRSFL PRVIASKLPF STSKIAELKK IFHAGDESQV 472
Sali3-2	FFYKEDLHPG KTMKVQFTKR ----- PY AQPY--GVYT WLTDIKDTSK 215
USP	FF-EHDLHPG KNFNLGHTNS VGSIIR---- PF TKS---QGVT --DSIWLANK 111
ADR6	FFYKEDLHPG KTMKVQFSKP ----- PF QQPW--GVGT WLKEIKDTTK 111
SC4c	AKIIAETIGL CQE-PATEGE RKHCATSLES MVDFVVSALG KN-VGAFSTE KERETESGK- 188
RD22	AEMMKKTIIE C-EARKVSGE EKYCATSLES MVDFSVSKLG KYHVRAVSTE VAKKNAPMQK 294
PG1B	EKMIGDALSE C-ERAPSAGE TKRCVNSAED MIDFATSVLG RN-VVVRTTE DTKGSNGNIM 530
Sali3-2	EGYSFEEI-- CIKKEAFEGE EKFCAKSLGT VIGFAISKLG KN-IQVLSSS FVNQD--- 168
USP	EKQSLEDF-- CYSPTAI-AE HKHCVSSLKS MIDQVISHFG STKIKAISSN FAPYQD--- 164
ADR6	EGYSFEEL-- CIKKEAIEGE EKFCAKSLGT VIGFAISKLG KN-IQVLSSS FVNQD--- 164
SC4c	FVVVKNGVRK LGDDKVIACH PMSYPVVFG CHLVRP-SSG YLVRLKGEDG VR-VKAVVAC 246
RD22	YKIAAGVKK LSDDKSVVCH KQKYPFAVFY CHKAMM-TTV YAVPLEGENG MR-AKAVAVC 352
PG1B	I-GSVKGING GKVTKSVSCH QTLYPYLLYY CHSVPKVRVY EADILDPNSK VKINHGVAIC 589
Sali3-2	-QYTVEGVQN LG-DKAVMCH GLNFRTAVFY CHKV-RETTA FVVPVLAGDG TK-TQALAVC 224
USP	-QYVVEDVKK VG-DNAVMCH RLNFEKVVFN CHQV-RDTTA YVVSLSVSDG TK-TKALTVC 220
ADR6	-QYTVEGVQN LG-DKAVMCH RLNFRATAVFY CHEV-RETTA FMVPLVAGDG TK-TQALAIC 220
SC4c	HRDTSKWDHN HGAFKVLNLK PGNGTVCHVF TEGNLLWLPN * 286
RD22	HKNTSAWNPN HLAFKVLVKV PGTVPVCHFL PETHVWWFSY * 392
PG1B	HVDTSSWGPS HGAFVALGSG PGKIEVCHWI FENDMTWAIA D* 630
Sali3-2	HSDTSGMNH- HILHELMGVD PGTNPVCHFL GSKAILWVPN ISMDTAYQTN VVV* 276
USP	HHDTGRGMNP- ELLYEALEVT PGTVPVCHFI GNKAAAWVPN HTADNLCV* 268
ADR6	HSNTSGMNH- QMLHQLMGVD PGTNPVCHFL GSKAILWVPN LSVDTAYQTN IVA* 272

B

SC4c	--NAALTPRL YWETMLPRTP LPKAITELLS L 29
RD22	AIAADLTPER YWSTALPNTP IPNSLHNLLT F 48
Sali3-2	HVHASLPEED YWEAVWPNTP IPTALRDVLK P 53
USP	GITATSSGED YWQSIWPNTP LPKTFSDLLI P 48
ADR6	ARESHARDED FWHAVWPNTP IPSSLRDLLK P 49

FIG. 19(B)

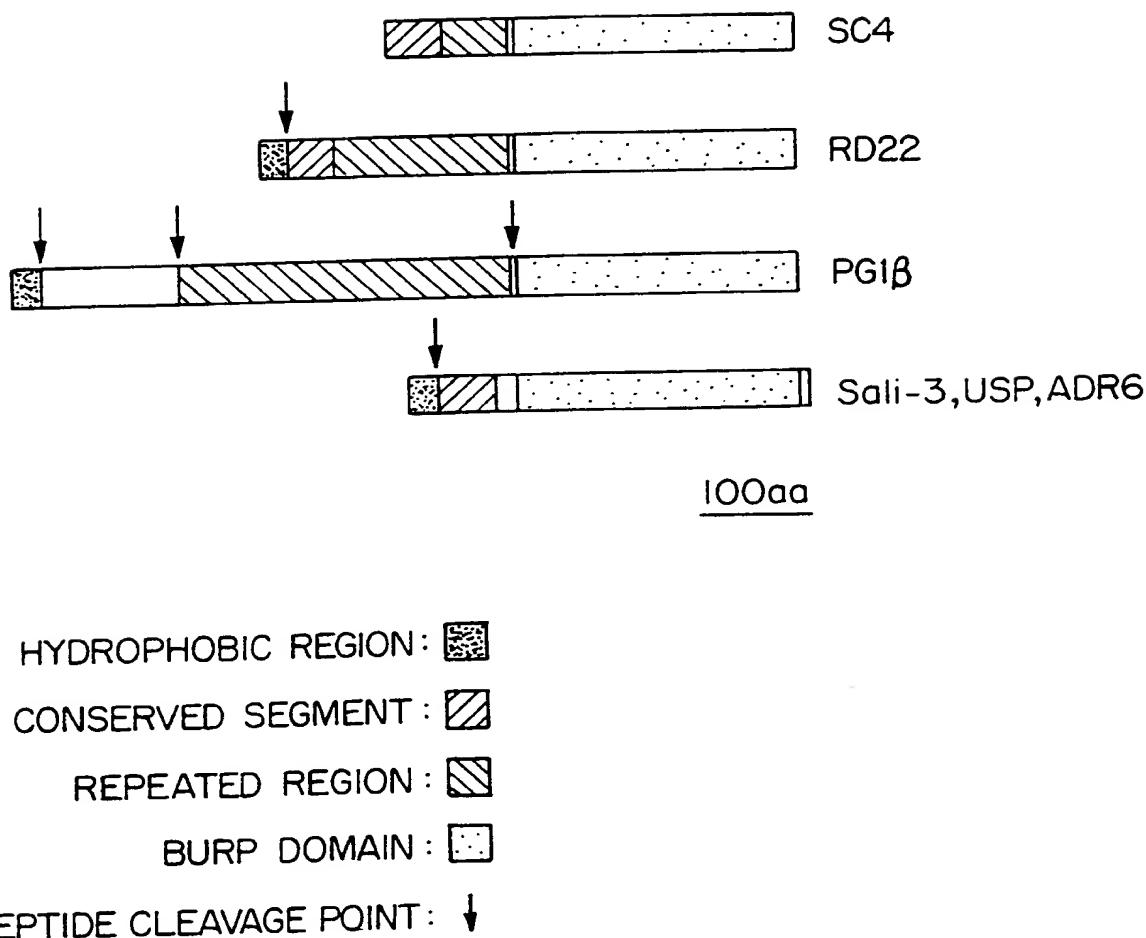


FIG. 19C

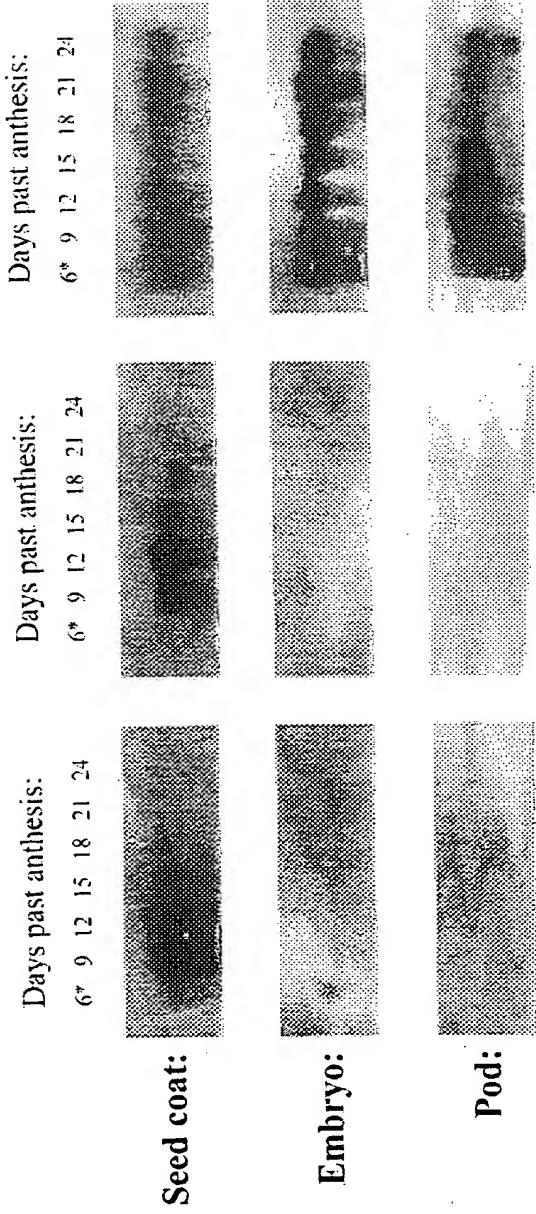


Fig. 20 A

Fig. 20 B

Fig. 20 C

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FIG. 21B

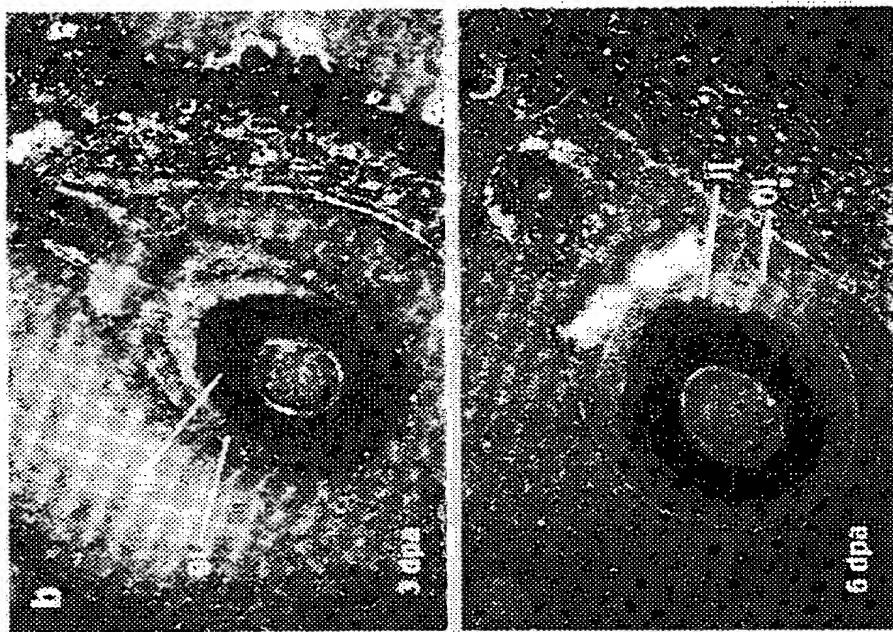
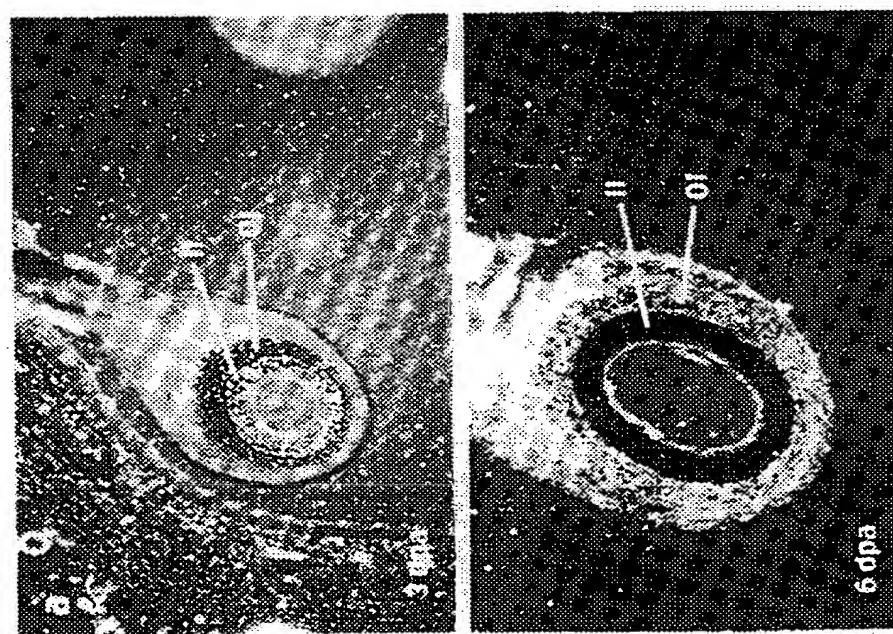


FIG. 21A



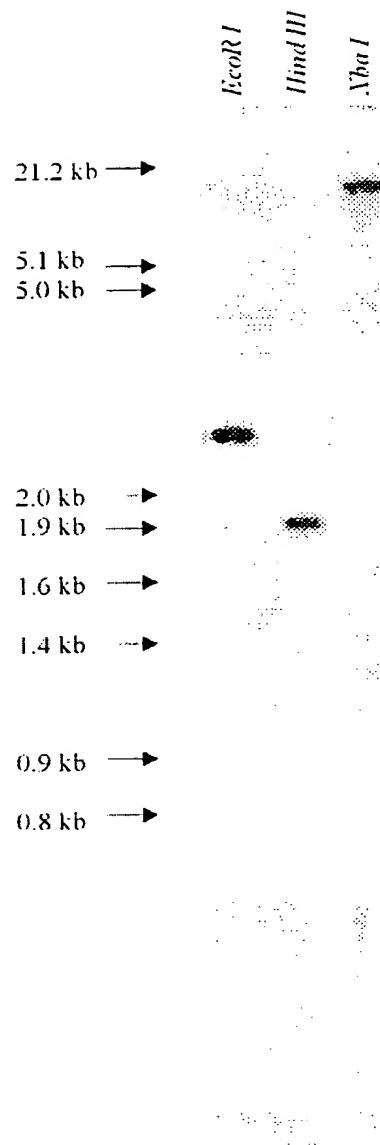


Fig. 22 A

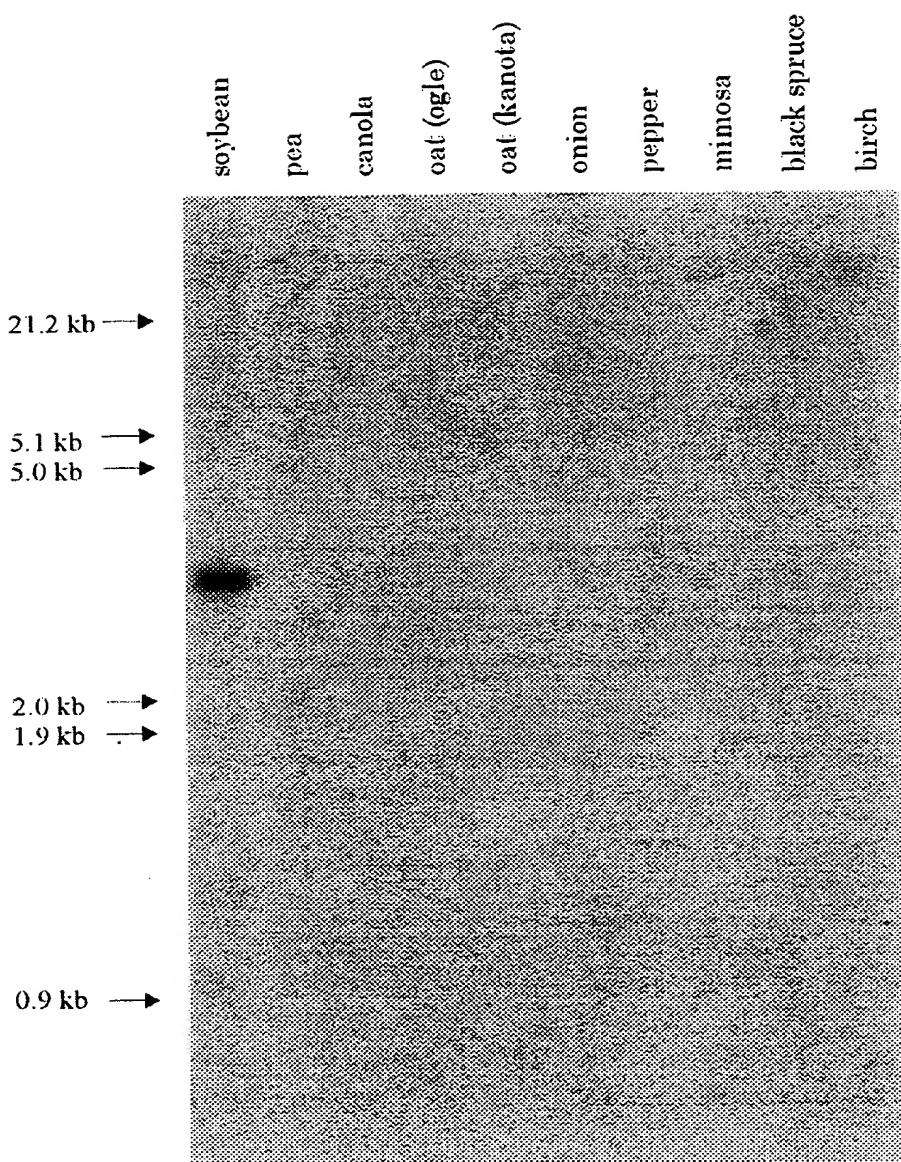


Fig. 22 B

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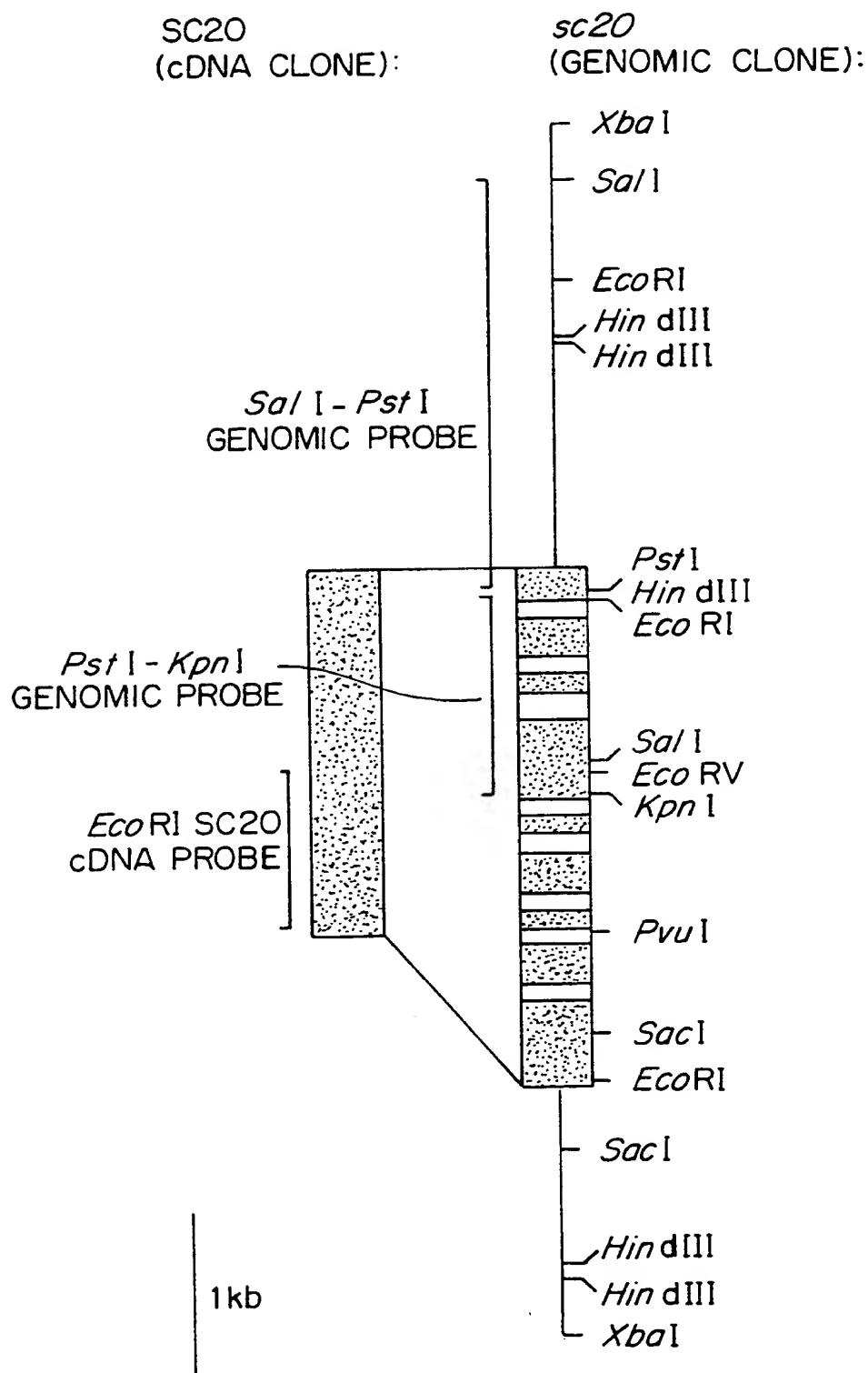


FIG. 23A

caaaggtaaac ATG AAA GGC AAT AAT ACA CTT TTG TTG CAT TTA TTC TAC ACT ACT CTC 60
 M K G N N T L L L H L F Y T T T L 16
 TTC CTG TTT CTT GTA GTG TCA AGT TCA TCT TCA ACA GGG AAT GAA AGT AAC GAT GAC 117
 F L F L V V S S S S S S T G N E S N D D 35
 ACT AAC AGT AAA GAA GTT TAT ATC GTG TAC ATG GGA GCT GCA GAT TCA ACA AAA GCT 174
 T N S K E V Y I V Y M G A A D S T K A 54
 TCT CTT AAA AAT GAG CAC GCT CAG ATT CTG AAT TCA GTG CTA AGA AGG AAT GAG AAT 231
 S L K N E H A Q I L N S V L R R N E N 73
 GCC CTA GTA CGG AAC TAC AAG CAT GGT TTC TCT GGG TTC GCA GCT CGT CTA TCA AAA 288
 A L V R N Y K H G F S G F A A R L S K 92
 GAG GAG GCA AAC TCA ATT GCT CAG AAA CCT GGT GTG GTG TCT GTT TTC CCT GAC CCC 345
 E E A N S I A Q K P G V V S V F P D P 111
 ATT CTG AAG CTC CAC ACT ACA CGT TCA TGG GAT TTC CTC AAA AGC CAA ACT CGT GTC 402
 I L K L H T T R S W D F L K S Q T R V 130
 AAT ATC GAC ACC AAA CCA AAT ACG CTG TCC GGT TCT TCT TCT TCT TCA TCA GAC GTC 459
 N I D T K P N T L S G S S F S S S D V 149
 ATT CTT GGC GTC TTA GAC ACA GGC ATA TGG CCA GAG GCG GCG AGT TTT AGC GAC AAG 516
 I L G V L D T G I W P E A A S F S D K 168
 GGT TTC GGT CCT GTT CCA TCC CGA TGG AAA GGC ACC TGC ATG ACA TCA AAA GAC TTC 573
 G F G P V P S R W K G T C M T S K D F 187
 AAT TCC TCT TGT TGT AAC AGG AAG ATA ATT GGC GCG AGG TTT TAC CCT AAC CCA GAG 630
 N S S C C N R K I I G A R F Y P N P E 206
 GAG AAA ACG GCA AGG GAT TTC AAC GGA CAT GGG ACT CAC GTT TCG TCG ACG GCA GTG 687
 E K T A R D F N G H G T H V S S T A V 225
 GGC GTG CCG GTG AGT GGC GCA TCG TTC TAT GGT CTG GCG GCG GGG ACG GCA AGG GGT 744
 G V P V S G A S F Y G L A A G T A R G 244
 GGG TCC CCT GAG TCA AGG TTG GCG GTT TAC AAA GTG TGT GGG GCT TTT GGG TCA TGT 801
 G S P E S R L A V Y K V C G A F G S C 263
 CCT GGG TCG GCC ATT CTT GCG GGG TTT GAC GAT GCC ATT CAC GAC GGA GTG GAT ATC 858
 P G S A I L A G F D D A I H D G V D I 282
 TTG TCG CTG TCG CTC GGT GGA TTC GGT GGA ACC AAA ACC GAT TTG ACC ACC GAC CCG 915
 L S L S L G G F G G T K T D L T T D P 301
 ATT GCG ATT GGA GCA TTC CAC TCC GTC CAG CGC GGC ATC CTG GTG GTC TGC GCC GCC 972
 I A I G A F H S V Q R G I L V V C A A 320
 GGG AAC GAC GGA GAA CCA TTC ACC GTT CTC AAC GAC GCA CCT TGG ATT TTA ACC GTT 1029
 G N D G E P F T V L N D A P W I L T V 339
 GCA GCT TCC ACC ATC GAC CGT GAT CTT CAA TCC GAC GTG GTC TTG GGT AAT AAC CAA 1086
 A A S T I D R D L Q S D V V L G N N Q 358

GTC GTC AAG GGA AGA GCC ATA AAT TTC TCC CCT CTT TTA AAT TCT CCC GAT TAT CCA 1143
 V V K G R A I N F S P L L N S P D Y P 377
 ATG ATA TAT GCT GAG TCT GCT GCC AGG GCA AAT ATC TCC AAC ATA ACT GAT GCA AGA 1200
 M I Y A E S A A R A N I S N I T D A R 396
 CAA TGC CAC CCA GAT TCA TTA GAT CCA AAA AAA GTC ATA GGG AAG ATT GTG GTT TGT 1257
 Q C H P D S L D P K K V I G K I V V C 415
 GAT GGA AAA AAT GAC ATT TAT TAT TCA ACT GAT GAG AAA ATT GTC ATA GTG AAG GCG 1314
 D G K N D I Y Y S T D E K I V I V K A 434
 TTG GGA GGA ATA GGT CTG GTT CAT ATT ACT GAT CAA TCT GGA TCA GTA GCA TTT TAT 1371
 L G G I G L V H I T D Q S G S V A F Y 453
 TAT GTG GAC TTC CCA GTA ACA GAG GTA AAA TCA AAA CAT GGC GAC GCA ATC CTC CAG 1428
 Y V D F P V T E V K S K H G D A I L Q 472
 TAC ATC AAC TCA ACT AGC CAT CCA GTG GGA ACA ATA CTA GCA ACA GTT ACA ATT CCT 1485
 Y I N S T S H P V G T I L A T V T I P 491
 GAT TAT AAG CCT GCT CCC CGG GTG GGT TAT TTT TCA TCA AGA GGG CCT TCA TTG ATT 1542
 D Y K P A P R V G Y F S S R G P S L I 510
 ACA AGC AAT GTT CTC AAG CCT GAT ATT GCA GCC CCG GGA GTT AAC ATT CTC GCT GCA 1599
 T S N V L K P D I A A P G V N I L A A 529
 TGG TTT GGA AAT GAC ACA TCA GAG GTT CCA AAA GGA AGA AAG CCC TCA CTA TAT CGC 1656
 W F G N D T S E V P K G R K P S L Y R 548
 ATA CTC TCA GGA ACT TCC ATG GCT ACT CCA CAT GTT TCA GGG CTT GCA TGC AGT GTC 1713
 I L S G T S M A T P H V S G L A C S V 567
 AAA AGA AAA AAC CCC ACT TGG AGT GCC TCC GCA ATC AAA TCT GCC ATC ATG ACT TCA 1770
 K R K N P T W S A S A I K S A I M T S 586
 GCA ATT CAA AAT GAC AAT TTG AAG GGT CCC ATA ACA ACG GAT TCA GGG TTG ATA GCC 1827
 A I Q N D N L K G P I T T D S G L I A 605
 ACA CCT TAT GAC TAT GGA GCA GGG GCA ATT ACA ACA TCT GAA CCA TTG CAA CCG GGG 1884
 T P Y D Y G A G A I T T S E P L Q P G 624
 CTA GTT TAT GAA ACC AAC AAC GTT GAC TAC TTG AAC TAT TTG TGT TAC AAT GGA CTT 1941
 L V Y E T N N V D Y L N Y L C Y N G L 643
 AAC ATA ACC ATG ATA AAG GTC ATC TCC GGA ACT GTC CCC GAG AAT TTC AAT TGT CCC 1998
N I T M I K V I S G T V P E N F N C P 662
 AAG GAT TCG AGC TCT GAT CTC ATC TCC AGC ATC AAC TAC CCT TCC ATA GCA GTA AAC 2055
 K D S S D L I S S I N Y P S I A V N 681
 TTC ACT GGC AAA GCA GAC GCG GTC GTG AGT AGA ACT GTC ACA AAC GTT GAC GAA GAA 2112
F T G K A D A V V S R T V T N V D E E 700
 GAT GAA ACA GTG TAC TTC CCC GTT GAA GCT CCT AGT GAA GTA ATT GTC ACA CTC 2169
 D E T V Y F P V V E A P S E V I V T L 719
 TTT CCA TAT AAT CTT GAG TTT ACG ACA AGT ATT AAA AAA CAA AGC TAC ATT ATT ACT 2226
 F P Y N L E F T T S I K K Q S Y N I T 739

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TTC AGA CCG AAG ACC TCC TTG AAG AAA GAT TTG TTT GGA TCT ATC ACT TGG AGT AAC 2283
E R P K T S L K K D L F G S I T W S N 757

GAC AAA TAT ATG GTT CGA ATT CCT TTT GTA TTA ACT AAA TAG tgaaattaaaaatgcga 2344
D K Y M V R I P F V L T K * 770

tgaataaaatgcga 2419
tttaatttat ttattatact ttcagcct(a)n 2447

09072002 022007

FIG. 23(B)(Cont'd)

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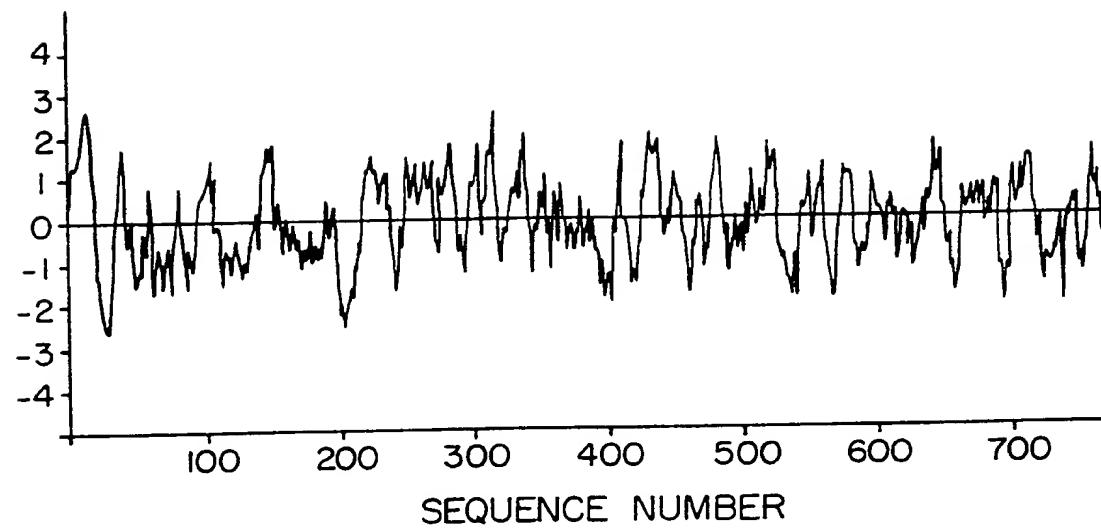


FIG. 23C

D region	H region	
SC20:2	SDVILGVLDGTI 156	SC20:2
AF70	TDIILGFLDTGI 145	AF70
Cucumisin	SNIVVGVLDTGI 143	Cucumisin
P69B	KGVIIGVIDGTI 149	P69B
Ag12	EDVIIGVIDSGV 148	Ag12
Subtilisin BPNE	SNVKVAVIDSGI 142	Subtilisin BPNE
Kex2	AGVVAIAVDDGL 178	Kex2
Furin	HGIVVSIILDDGI 156	Furin
S region	N region	#
SC20:2	SGTSMATPHVSGLA 562	SVQRGILVVCAAGNDG 322
AF70	SGTSVAVPHVTGAA 571	ATQKGILVVSSAGNEG 329
Cucumisin	SGTSMSCPHITGIA 535	AVERGILTSNSAGNGG 310
P69B	SGTSMSCPHLSGVA 541	ATERGILVSCSAGNSG 308
Ag12	SGTSMACPHASGVA 547	AMEKGVVVSTSAGNAG 318
Subtilisin BPNE	NGTSMASPHVAGAA 338	AVASGVVVAAAGNEG 264
Kex2	GGTSAAPLAAGVY 395	RDSKGAIYVFASGNGG 316
Furin	TGTSASAPLAAGII 378	RGGLGSIFVWASGNGG 297

FIG. 23(D)

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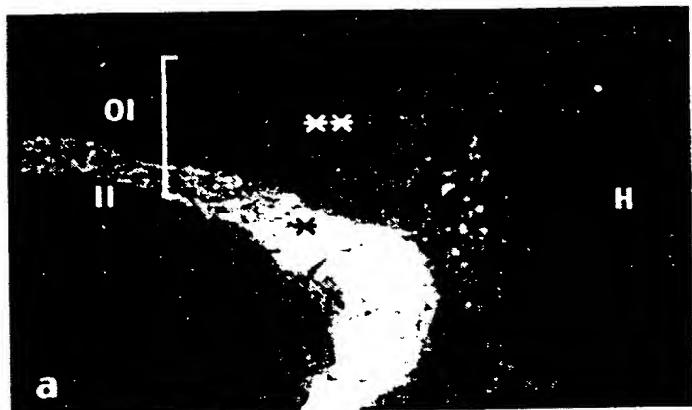


FIG. 24A



FIG. 24B

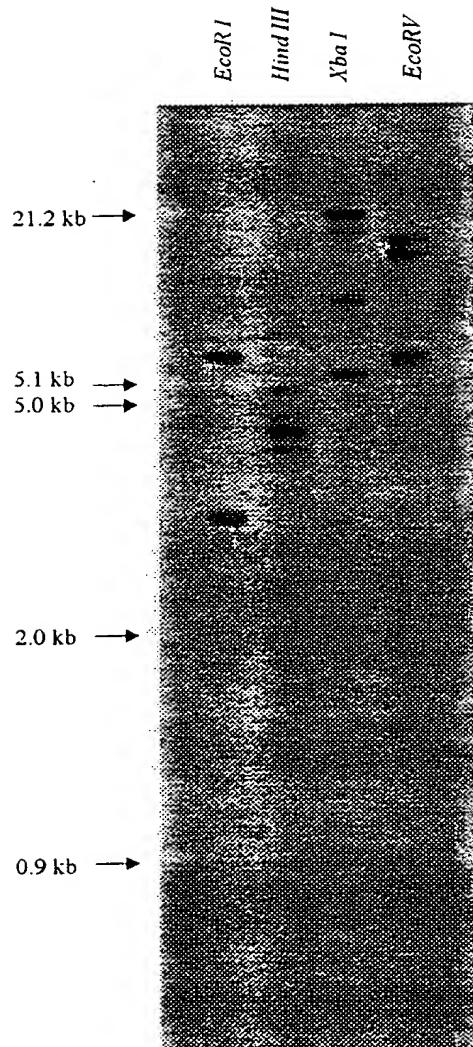


Fig. 25 A



Fig. 25 B

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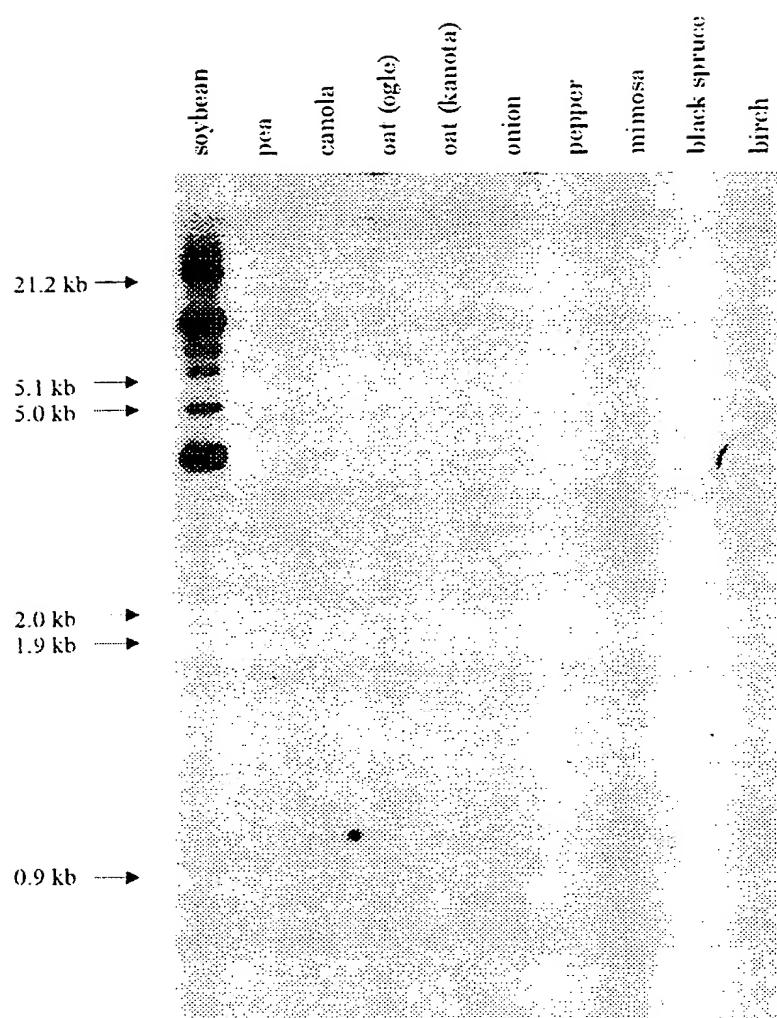


Fig. 25 C